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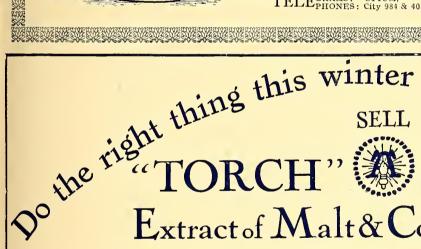
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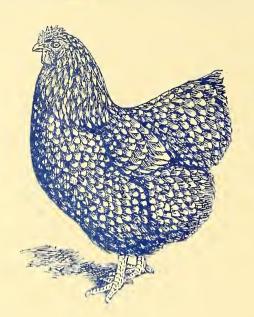
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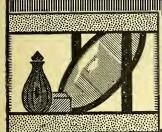
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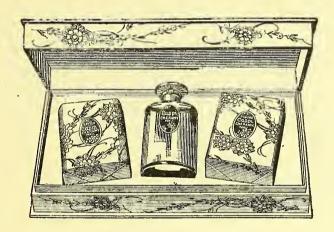


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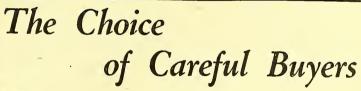
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Maws



Page

Maw's Surgical Dressings

Will help you to Increase your Sales of Surgical Sundries

Surgical dressings are not merely one of the bread and butter lines of the pharmacy, they exercise an important influence upon, and are, indeed, the very basis of the pharmacist's surgical sundries business.

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with our printing-well buy
from the specialist



A Chemists' Printer for Chemists' Printing—that's the idea.

No time is wasted in teaching Waides what we want. They know. They have had 50 years' experience in devising artistic printing for Chemists, and they are doing it better and better every year.

"Waide" Labels, Cartons, Showcards and Folders are pharmaceutically correct, as well as being tasteful and original in design.

THOMAS WAIDE & SONS LTD. CHEMISTS' PRINTERS DARLINGTON STREET, LEEDS.

The universal popularity of

MOORLAND

HEART SHAPE TABLETS

Is due entirely to their superiority. They took the lead some years ago and have more than maintained it ever since. With the whole-hearted support of an ever-increasing buying public, "Moorland's" must be the choice of every Pharmacist. They sell so well because we strictly adhere to the original superior formula. They never vary. And sales are as regular as clockwork—week in and week out. You see, it's the quality that tells. Try them yourself and prove our statements. We send heaps of good showmatter with every order.

You do a wise and sensible thing when you put "Moorland's" on your order form

One Gross 51/-; One Dozen 4/6; Retail 71d.

W. B. CARTWRIGHT LTD. RAWDON NR. LEEDS





Other REAL SELLERS:

"Allenco" Anti Catarrh Snuff	6d.
"Allenco" Laxatives	9d.
"Allenco" Tonic Tablets	1/-
"Allenco" Pure Aspirin - 71d. &	1/3
"Allenco" Sentinels 4	½d.
"Allenco" Chilblain Ointment -	9d.
"Capsoid" Thermal Foot Socks	6d.
"Thermopede" Foot Socks - 6	₹d.

Full Stocks at—
MAY, ROBERTS & CO. and
F. NEWBERY & SONS.

"EUCARBOL" is LARGELY ADVERTISED

Profitable 2 for 1 Scheme open now.

EXPENSIVE AND ATTRACTIVE SHOW MATTER.

RETAILS AT 1/3

	Cost	Realise
	£ s. d.	£ 8. d.
3 doz. (equals 6 doz.) 31/6 less show 3/-	1 8 6	2 5 0
6 doz. (equals 12 doz.) 62/- , 6/6	2 15 6	4 10 0
12 doz. (equals 2 gross) £5 15s. ,, 14/-	5 1 0	9 0 0

Link up with the Advertising NOW. This line is selling. Offer cannot be repeated.

YOUR NAME IN THE LOCAL PRESS.

DON'T MISS SALES— BE IN EARLY

It will pay you.

R. H. ALLEN & CO.

MANUFACTURING CHEMISTS, SYDENHAM, LONDON, S.E.26

Telephone: Telegrams: Sydenham 2220. "Subocular, Forest, London." Have you had our Catalogue, "Attractive Packs for Chemists"? A copy will be sent with pleasure by us or by May, Roberts & Co. or F. Newbery & Sons.



UNTIL CHRISTMAS EVE



If your Christmas window needs a few striking lines to improve it WIRE PERONIA 3739 NOTTINGHAM.

by FIRST PASSENGER TRAIN

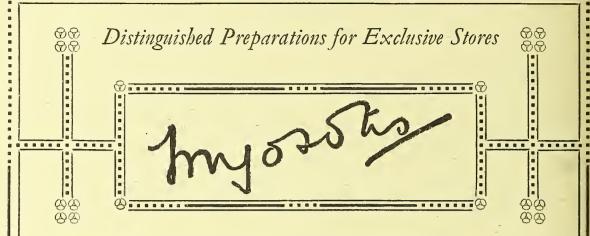
A small assortment will be sent immediately on three days' approval.

XMAS WINE LIST

MEDICATED and TABLE WINES

PORTS	Per do	zen
FINE OLD TAWNY V.O.T., generous and	-bottles	bottles
captivating	41/-	75/-
JOSÉ SERRANO, a full-bodied Wine of excellent		
bouquet and flavour	35/~	63/-
RODRIGO, FINE OLD, a selected Alto Douro	26/-	45/-
Wine	20/2	43/-
fully selected for general use and the		
sickroom	26/-	45/-
WHITE, FINEST OLD	29/-	51/-
SHERRIES	D 1	
	Per doz	en bottles
No. 34, CHOICE OLD BROWN, 1868, full flavoured Amontillado, a fine Old Sherry	44/	7 ~ /
JOSÉ SERRANO MATURED OLD SOLERA.	41/-	15/-
nutty and elegant	33/-	60/-
GOLDEN BROWN	29/-	
YELLOW SEAL	23/-	40/-
	In Bu	ılk
SPANISH SHERRY, 30° (Vinium Xericum B.P.)	16/6 per	gallon
MEDICATED WINES	1-3 6	
	doz. doz.	
LIEBIG'S BEEF & MALT Rep. pints ,, quarts	23/- 22/- 40/- 38/-	
LIEBIG'S BEEF & MALT with		,
QUININE Rep. pints	24/6 23/6	
ORANGE QUININE , quarts Rep. pints		,
ORANGE QUININE Rep. pints ,, quarts	13/6 13/- 22/6 22/-	
	7 7 .	,
TARRAGONA WINE		Per dozen
EXTRA SUPERIOR TAWNY, N.E. 30°	Imp. qua	
D.W. ,, ,, N.E. 25°	,, ,,	32/-

AYRTON,
SAUNDERS
& CO., LTD.
LIVERPOOL



Myosotis Fascinating Handkerchief Puffs

in exquisite Pastel Shades. Puffs for Open Powder Bowls. Back Puffs.

These puffs are selected by an expert and the slightest imperfection is refused.

Myosotis Exclusive Beauty Preparations (Perfected)

LEMON CREAM. A beautifully soft Cream for massage. It cleans the pores, whitens and refines the texture of the skin.

LAVENDER SKIN FOOD. Of peerless purity, this cream nourishes the skin and removes lines.

FOUNDATION CREAM. An unrivalled preparation, suited to the most delicate skin, it retains the powder indefinitely.

These superlative productions have created an outburst of approval from all the leading and discriminating experts. Only the purest ingredients used in their manufacture. No substitutes of any kind employed.

Myosotis Perfumes. With the haunting fragrance which attracts distinguished clients and brings them to your store again and again.

Val Fleuri. An exquisite Perfume—its description is indefinable.

Gardenia. Myosotis alone has captured the soul of the Gardenia.

Merveilleuse, Wallflower, Lilas, Lily of the Valley.

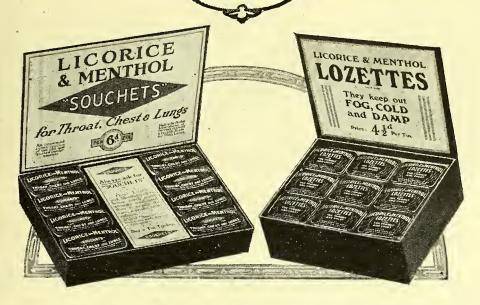
Each exquisite crystal glass bottle imprisons the soul of the name of the flower.

A Myosotis display creates a new and distinguished clientele for every alert Chemist. Our carefully planned advertising campaign continues in the leading periodicals appealing to discriminating buyers. Attractive Brochure and Terms posted immediately on request.

myosoki

7 Hanover Square, London, W.1

Telephone No.: 5083 MAYFAIR.



"SOUCHETS" & "LOZETTES"

"Cushions" obtainable. "Lozettes" are the best possible value at the popular, but slightly inconvenient price of 4½d. The individual Pharmacist alone can decide whether to stock "Souchets" or "Lozettes"—or both.

¶ The slightly higher cost of "Souchets" is due to a number of small refinements which, in the aggregate, spell perfection and distinguish between "good" and

"best." "Souchets" also carry a higher margin of profit $-37\frac{1}{2}\%$ on selling price against $33\frac{1}{3}\%$ in the case of "Lozettes." If you do not know them, ask for samples.

"SOUCHETS" PRICES Bulk 4/6 lb. 6d. tins 3/9 doz. Gross lots $3/7\frac{1}{2}$ doz. "LOZETTES" PRICES Bulk 3/6 lb. $4\frac{1}{2}$ d. tins 3/- doz. Gross lots 2/11 doz.



To EXPORT BUYERS—All orders and enquiries should be addressed to our Sole Export Agents Wm. ALFRED JONES Ltd., West India House, Liverpool.

THOMAS KERFOOT & COLD BARDSLEY VALE, LANCASHIRE, & Bardsley House, London, N.1 ESTABLISHED 1797.

C/827

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To-day's best investment—a case of



(Reigate Standard Mint)

English re-distilled and blended PEPPERMINT OIL



White, Tomkins & Courage Ltd. Reigate, Surrey

Telegrams: Esswhite, Reigate.

Telephone: Reigate 480.

ESSENCES & SYNTHETICS LTD.

4 CARLISLE AVENUE, FENCHURCH STREET, LONDON, E.C.3 Royal 0290. Essynthet-Ald-London

A few of our latest Creations:

AMBREINE

A sweet Oriental perfume with a delightfully delicate floral nuance. True to Nature; even in its last traces on

LILY=OF=THE=VALLEY evaporation.

A very successful composition; a necessity to the VICTORIA VIOLET creative perfumer.

PARMA VIOLET A standard Violet: indispensable in the absence of the natural flower oil. WALLFLOWER

A beautiful reproduction of the Old English Wallflower, ROSE An excellent substitute for Bulgarian Otto.

JASMIN A composition giving the pungency as well as the ever-popular floralcy of Jasmin flowers.

Of the highest possible concentration, and hence very economical in use; perfectly soluble; do not discolour. Suitable for handkerchiefs, perfumes, face powders, vanishing creams, brilliantines, toilet waters, bath salts, soaps. Samples cheerfully sent by return of post.





of interest on every counter. Three tablets of GAL in their decorative box are an acceptable gift that costs very little and looks very "good." GAL—made from an exclusive Spanish recipe and used by the Queen of Spain—is a soap that sells wherever it is shown, and shows a wide profit margin wherever it is sold.

Give GAL a prominent place in your Xmas display; the GAL showcard is an excellent reminder for gift seekers.

GAL TOILET SOAP

Service Advertising

single Tablet you sell and

AL TOILET SOAP retails at 1/per tablet and 2/9 per box of three. The price to you is 11/per dozen tablets, less 33\frac{1}{3}\% discount P.A.T.A. Order from your usual wholesaler and ASK FOR DISPLAY MATERIAL.

If you experience any difficulty in obtaining supplies write direct to us mentioning name of your usual supplier Perfumeria Gal. (London) Ltd., 76 Strand London, W.C.2. Telephone: Temple Bar 4662

11d. on every Box

F.S.152

DEARBORN (1923) LTD.

37 Gray's Inn Road, London, W.C.1

55 11 6 1 Int		Price	Selling
Toilet Specialties.		per doz. o Retailer	Price P.A.T.A
PILENTA SOAP	••	10/-	1/-
A complexion soap. PROLACTUM	••	10/-	1/-
For the lips. PARSIDIUM JELLY For wrinkles.	• •	10/- =	1/-
ALLACITE OF ORANG	E		
BLOSSOM	• •	22/6	2/6
A dressing cream.		22/6	2/6
BORANIUM	••	22/0	2/0
CLEMINITE		22/6	2/6
For a face lotion.	1:7	022/6	216
COLLIANDUM (Powder & So For a face tint,	nicio	.)22/0	2/6
PERGOL		22/6	2/6
A deodorant.			
TEKKO PASTE	• •	22/6	2/6
Camphor cream. STALLAX		(13/6	1/6
For a shampoo.	••	13/6 22/6	2/6
JETTALINE		31/6	3/6
For clearing the skin.	•		•
PHEMINOL	• •	36/-	4/-
A depilatory. MENNALINE		36/-	4/-
For the eyelashes.	• •	30/-	- /-
MERCOLIZED WAX		ſ18/ -	2/-
A face cream.		31/6	3/6
STYMOL For oily complexions and b		36/-	4/-
SILMERINE		22/6	2/6
Hair-curling fluid.			
BARSYDE Dandrufferadicator.	• •	22/6	2/6
TAMMALITE		22/6	2/6
For grey and faded hair.	• •	•	•
LIQUID PERGOL		31/6	3/6
To check excessive perspira		22/6	2/6
For whitening the hauds,	• •		•
COCONOIDS	• •	31/6	3/6
For figure development.		18/-	2/-
A new depilatory.	• •	.0/	-, -
	_		

The Products of

The Froducts of			
Messrs. PARKER,	BELMONT &	c CO.	
CLYNOL BERRIES For obesity.	36/-	4/-	
SOFT PALERIUM For wrinkles.	45/-	5/-	
LIQUID NAIL POI		1/-	
Stocked by ALL Wholesale Houses.			

FOREIGN AND COLONIAL DEPÔTS AND AGENCIES.

Scuth Africa: LENNON, LTD., Cape Town, etc.
SIVE BROS. & KARNOVSKY, LTD.,
India: FRAMJEE & SON, Bombay.
A. L., CHOUDRY, Calcutta.
New Zealand: SHARLAND & CO., Auckland and Wellington.

Irish Free State: MAY, ROBERTS & CO., LTD., Dublin.

Lenmark: KARL SCHULTZ & CO., Copenhagen,

P

THE NEW EYE BEAUTIFIER "PERM BROW" is here to stay!

PERM BROW, the new liquid waterproof sysb row banning, blackers of the provided and the sysb rows and being darkness, and being waterproof it stays on. Its unique qualities have influenced recommendation and repeat orders from almost every user. Get a stock to-day, and give it a display—profits will come easily.

Wholesale Retail 18/- 2/9

Obtainable from all Wholesale Houses or direct from:

per doz,

MIRUS LTD. 57 Carleton Rd., LONDON, N.7.



Trial Phia

80



GREY HAIRS

— appear just here.
TOUCH THEM UP WITH

TATCHO-TONE Post and they will instantly recover their

and they will instantly recover their natural shade. Medical Guaranty with each bottle. Chemists' Prices 2.6 and 4.6

TATCHO-TONE CO., 5 Great Queen Street, London, W.C.2

Tried & Proved

Rowland's Macassar Oil is no new preparation; it has been used all over the world for more than 135 years and everywhere it is held in the highest esteem. It is guaranteed to

highest esteem. It is guaranteed to contain no injurious substance \$ 10/6 Red for dark hair; golden for fair or fair o

A. ROWLAND & SONS, Ltd., 112 Guilford St., London, W.C.1

BRITISH GOODS that meet foreign competition



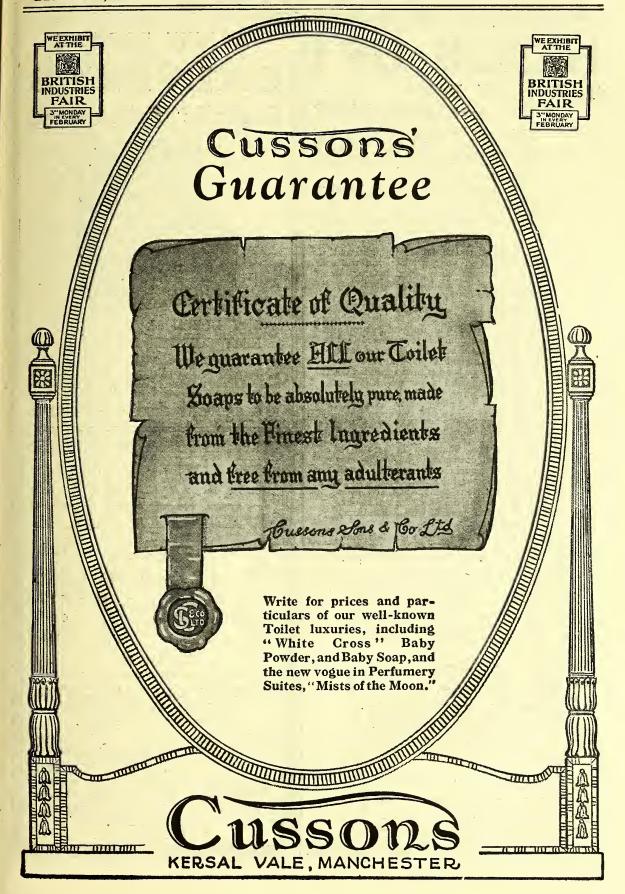
Manicure Requirements

CARDED AND

PHONE: MOUNTVIEW

It will pay you to ask us for our prices

ROBERT LEE, 14 Calverley Grove, N.19.



HEADS UP!

THE NEW WAY IN SHAMPOOING

What was the old way of shampooing? Heads held down almost the whole time the hair was being washed. How uncomfortable. How difficult to obtain a real cleansing of hair and scalp.

With Nestlé Radion Shampoo has come a revolution in shampooing. Indeed, it is more than a new shampoo. It is a scalp massage preparation and a hair tonic besides. It cleanses and beautifies the hair as no shampoo has ever done before. Women will quickly realise its advantages, and if you show it in your window you will sell more shampoos than ever before. Men, too, will use it. And mothers will buy it for the whole family.

Produced in liquid form, Nestlé Radion Shampoo is applied while the hair is dry and the head held in an upright, natural and comfortable position. It is massaged by the finger tips into the scalp and its tonic properties and cleansing agents penetrate into every pore. The whole head is then sprinkled with water and in a second is covered with luxurious lather, which, when rinsed, carries away every trace of dirt and grease. The hair is cleansed to the very roots, the scalp tingles with new life, and a glorious sensation of freshness and vitality is experienced.

Nestlé Radion Shampoo is certain of immediate and enthusiastic comment from every one of your customers. The retail price is 1s. 9d. per tube containing enough for twelve luxurious shampoos. The price to you is 14s. per dozen. Work this out, and you will find yourself with a handsome profit on every sale.

Every Chemist who orders not less than one dozen tubes of Nestlé Radion Shampoo will receive a special introductory bonus of quarter dozen tubes free of charge.

Send your order at once through your wholesaler while this offer remains open, or fill in and post the coupon below.

COUPON WORTH OVER



To C. Nestlé & Company, Limited, 48 South Molton Street, London, W.

Please send I dozen tubes Nestlé Radion Shampoo at I4/- per dozen, together with free bonus of \(\frac{1}{4} \) dozen tubes and Nestlé Radion Shampoo Show Card.

A- NEW PACKING

CALVERT'S

Carbolic Toilet Soap



ONE DOZEN 6d: TABLETS IN NEAT COUNTER DISPLAY BOX

List price 4/5 per box.

As the usual 3-tablet boxes (list price 13/6 per dozen boxes) will still be available, customers are requested to certify in their orders which form of packing they desire.

F. C. CALVERT & CO., MANCHESTER.

DAWSON'S DENTIFRICE

3/doz.
SELLS

Dowit Bice

Profit

100%
on
Cost

IN ALUMINIUM TINS. 9d. size 4s. 6d. per doz.

FREER'S LYSOL SHAVING STICK, FREER'S DENTAL CREAM, and several other lines.

Carriage and Packing FREE. Monthly a/cs.

SPECIAL QUOTATIONS for WHOLESALERS, SHIPPERS and LARGE BUYERS.

Write for Sample Tins.

FREER'S MFG. CO. LTD.

6/7 Norton Folgate, Bishopsgate, London, E.C.

Phone : Bishopsgate 2209.

TOKALON XMAS OFFER

During December 1928 we are offering two classes of Standard Parcels of fast selling Tokalon preparations, including a generous bonus of free goods. This offer shows an extra and additional profit on cash invested of:

Over 12% on Standard Parcel No. 1. Over 15½% on Standard Parcel No. 2.

In addition to the above extra profit each dealer will of course receive the usual discounts to which he is entitled. Bonus goods are sent only with Standard Parcels in which no variation can be made.

STANDARD

PARCEL No. 1	
	Trade Price.
	18/-
4	11/3
i doz. Crème Tokalon, 6d. Tubes	4/6
1 doz. Crème Tokalon, 6d. Tubes 1 doz. Crème Tokalon, 1/6 size 1 doz. Compacts, 1½ in	6/9
I doz. Compacts, $1\frac{1}{2}$ in	13/6
$\frac{1}{2}$ doz. Compacts, 2 in	10/2
Total	64/2
FREE GOODS	
	Retail Value.
doz. Poudre Tokalon, I/- size	3/-
doz. Crème Tokalon, 10d. size	2/6
doz. Compact Refills, 1½ in. dia.	2/3
Total	7/9

STANDARD

עוותעאווט	
PARCEL No. 2	
	Trade Price.
6 doz. Poudre Tokalon, 1/- size	54/-
3 doz. Crème Tokalon, 10d. size	22/6
1 doz. Crème Tokalon, 6d. Tubes	4/6
ı doz. Crème Tokalon, 1/6 size	13/6
I doz. Compacts, $1\frac{1}{2}$ in	13/6
I doz. Compacts, 2 in	20/3
Total	128/3
FREE GOODS	Retail Value,
½ doz. Poudre Tokalon, 1/- size	6/-
½ doz. Crème Tokalon, 10d. size	5/-
¹ / ₃ doz. Compact Refills, 1 ¹ / ₂ in. dia	0'1
doz. Compact Refills, 2 in. dia	6/-
Total	20/-

Only one order for Standard Parcels will be executed for each customer. Any combination of Standard Parcels may be ordered so long as the total trade value of £16:0:10d.is not exceeded.

No order for Standard Parcels will be executed if order is post-marked after 31st December, 1928. The Cash Discount date for Standard Parcels will be 15th January, 1929, in every case.

Unless otherwise requested only Vanishing Crème Tokalon and Rachel and Natural Shades of Poudre Tokalon (evenly divided) will be sent.

Send your order in to-day. You run no risk of loss with Tokalon Preparations. Unsold goods may be returned at any time for cash or credit.

TOKALON LTD.

212-214 Great Portland St., London, W.1

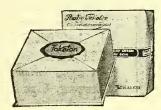


Crème Tokalon, 10d. and 1/6.



Standard Size Compacts, 12 in. diameter, 1/6 each.

De Luxe Size Compacts, 2 in. diameter, 2/3.



Poudre Tokalon, 1/- and 1/9.



Some reasons

WHY YOU SHOULD SELL

Nuctone

- 1 NUCTONE is safe; guaranteed free from para or any other harmful ingredient. It is antiseptic, and cannot possibly harm the most sensitive skin.
- 2 NUCTONE is the ideal home-treatment; gradual in its action, easy to apply, and giving natural, permanent results that are always satisfactory. It is the only modern preparation for hair colouring that enables the hair to be treated in every way as before recoloration.
- 3 There are only 4 grades to stock; two for fair hair and two for dark—Nuctone Eclaire and Eclaire Concentré; Nuctone and Nuctone Concentré.

Vuctone for GREY HAIR

Order through your usual wholesaler or from J. C. GAMBLES & CO., LTD. 211 Blackfriars Rd., London, E.C.1

Manufactured by:

Stewart, Goodall @ Dunlop, Ltd. 4 Derlog Street, London, W.1

See to your STOCKS!

It's dangerous to run low of ANZORA. For running low means probably running out—and that means sales lost, for few men will accept a substitute for ANZORA when they have once used it. Better see to your stocks TO-DAY!





ANZORA CREAM for greasy scales will not soil hat linings or pillows. ANZORA VIOLA for dry scales contains a little cil of violets.

TRADE TERMS:

12 - doz. - Retail at 18 -29 - doz. - Retail at 30 -

A supply of Attractive Showcards and Cutouts for Window Display sent post free, REFUSE ALL SUBSTITUTES,

If mobinizable from your wholesaler, write direct to ANZORA PERFUMERY CO., LTD. LONDON, N.W.6

Every Bottle is GUARANTEED

EVERY bottle of Dr. Page-Barker's Scuri Lotion bears a positive guarantee that it will eradicate scurf or the purchase price will be refunded. This makes it the easiest to sell of all hair and scalp specifics. And the profit is handsome.

18/- per Doz. Retail - 2/6

With every order for 3 dozen you get three 2/5 bottles as bonus, handsome metal showstand, and attractive showcards



Dr. Page-Barker's Scurf Lotion

Thos. CHRISTY & CO., 4-12 Old Swan Lane, LONDON, E.C.4.



BY APPOINTMENT TO H.M. THE KING

A STAUNCH FOLLOWING

The great body of Vinolia Premier Soap users are loyal to Premier from year's end to year's end. No soap appeals more lastingly, no soap has a stauncher following. It is one of those long-established favourites upon which trade rests most securely.



VINOLIA

PREMIER SOAP

FORTY YEARS HAVE PROVED VINOLIA

VINOLIA CO., LTD., BEBINGTON, CHESHIRE

NO MISTAKE

can be made by stocking Souplex Blades as their wonderful quality and low price

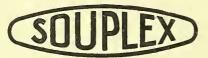


have created a tremendous demand.

If you are not already stocking
Souplex,
order
a supply
to-day,
by delaying
you are missing
the exceptionally
good profit which
Souplex Blades yield the Chemist.

They sell easily because there are no better blades made—irrespective of price.

ORDER NOW.



FIVE for 1/3
YOUR PROFIT 5D.

SOUPLEX LIMITED MORECAMBE TEN for 2/6 YOUR PROFIT 10p.



"Eclipse" Blades are made in our own works right from the production of the Crucible Steel to the Finished Blade, and are therefore BRITISH FROM START TO FINISH.



1 Box at \$1 2 3 per box of 100 Blades
5 Boxes at \$1 1 8 " " "
10 Boxes at \$1 0 10 ","
Terms: Monthly less 2½ per cent.
Carriage paid on 3 box lots and above.

Obtainable from your usual wholesaler or direct from the actual makers:

JAMES NEILL & CO. (Sheffield), LTD., Steel Manufacturers, Napier St., SHEFFIELD.



less 33\frac{1}{3}\%

showing a Profit

of 50% on cost.

War Office Contract Myatt Daymark Blades

10

3/4

The recent success of W. J. Myatt & Co., Ltd., in securing the contract for supplying Myatt Daymark Blades to the British Army has already caught the imagination of the public.

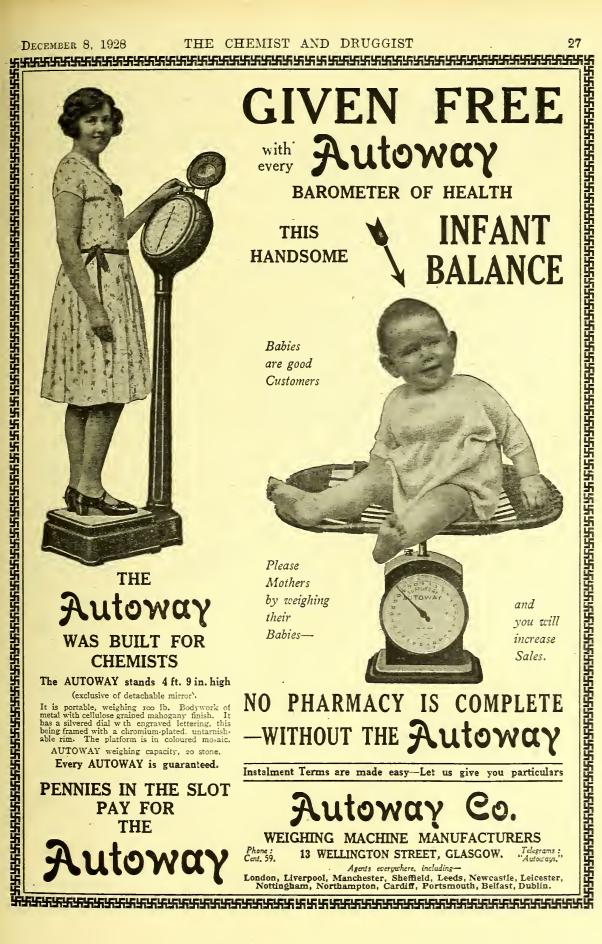
It has given a big fillip to sales everywhere. The consistent progress of the Myatt Daymark Blade is little short of amazing, every month the sales are higher.

Share in this profitable business; order Myatt Daymark Blades from your wholesaler and ask for display material.

MYATT

PATENT Blades

For Gillette Type Razors only Sole Manufacturers: W. J. Myatt & Co., Ltd., Argent Works, Birmingham. London Showrooms: 94 Hatton Garden, E.C.1.





SELLING PRICES:

"Pocket" 3/6 "Shingle" . . . 4/9 -two small dainty brushes for occasional use during the day. Other full size brushes for Home use are:

"Universal" 5/9 "Small Standard" 12/6
"Junior" 7/6 "Standard" . 15/"Popular" 10/6 "Extra" . . 18/6

All subject to generous discounts. Supplies can be obtained from your usual Wholesaler.

UR XMAS TRADE!

NOTE!

The Manufacturers of the "MASON PEARSON" Hair Brush do not manufacture or sell Electric Combs of any description, neither are they connected in any way with the sale of any such combs.

Be well in time in ordering your supply of "MASON PEARSON" Hair Brushes for your XMAS Trade.

Do not run the risk of disappointment! With our Advertising Campaign there is sure to be a big demand.

A "MASON PEARSON" Hair Brush makes a charming gift-dainty, tasteful, practical, and yet not too costly-points appreciated by your Customers.

MASON PEARSON SELLING AGENCY, LTD., 59 New Oxford St., London, W.C.I

Germicide, Disinfectant, Deodorant

"AEROFUME"

is now in great demand, and it is highly recommended by most of the

leading authorities for use in the home as a safeguard against contagion and infection.

INVALUABLE AS A DEODORANT

The efficiency of "Aero-fume" is certified by The Clinical Research Association, London.

PEROFUM

complete with Spray 5/6 (asillus.) subject to 331%.

Obtainable from all usual wholesalers or from:

WALDEN, WALDEN & CO. 15 Grape St., New Oxford St., W.C.

"ODENTIC Regd. No. 417637. From all Wholesalers. Counter Display Box with every 3 dozen. Manufacturers:

W. R. Speer & Son

(EST. 100 YEARS)

215 DALSTON LANE - - LONDON, E.8

G. B. KENT & SONS, LTD.

Are known the World over as the Largest Manufacturers of

EST RUSHES

Please write for full Particulars to-

75 FARRINGDON ROAD, E.C.1.

The HOT WATER BOTTLE COVER of the Season

"H.14a **VELOURS**

Do not fail to see it None other so dainty

A beautiful fabric in delightful shades. Your wholesale house will be pleased to show you patterns. We make every kind of cover, and prices are at your disposal, but this quality, so reasonable in price, but very beautiful, will be an easy favourite with your customers.

REMEMBER THE NAME "H.14a VELOURS



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The Blade that SELLS as it SHAVES "LIKE GREASED LIGHTNING!"

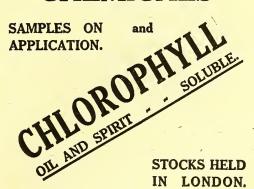
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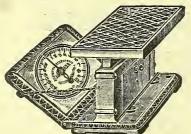
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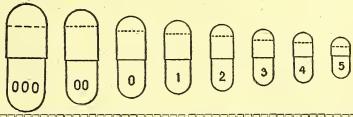
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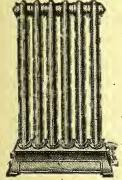
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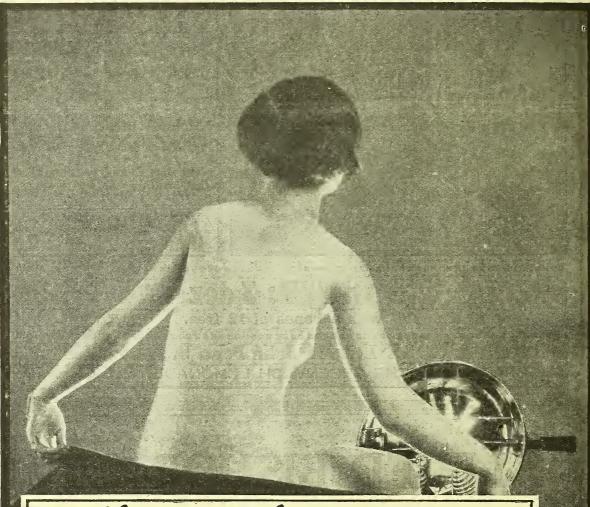
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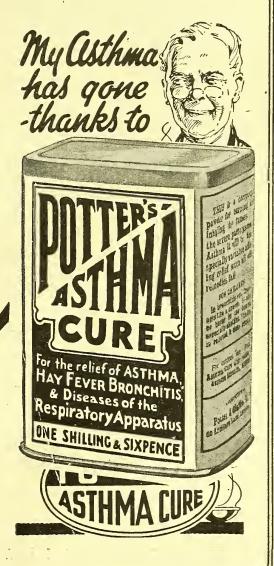
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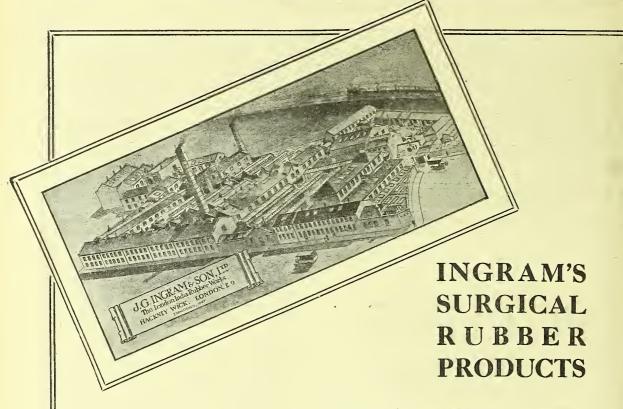
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Coming Events

Tuesday, December 11

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London. W.C.1, at 8 p.m. Evening Meeting. Address by Dr. Katherine H. Coward on "Recent Research on the Vitamins."

Southport Pharmacists' Association, Royal Hotel, at 8 p.m. Annual ladies' evening: dinner-dance. Tickets 12s. each.

Wednesday, December 12

Pharmaceutical Society of Great Britain, Cheltenham and District Brunch, George's Restaurant, High Street, Cheltenham, at 7.15 p.m. Annual dinner. Tickets 7s. 6d. each for members and 4s. for student-associates.

Pharmaceutical Society of Great Britain, Manchester, Salford and District Branch, Council Chamber, Houldsworth Hall, Deansgate, at 8.30 p.m. Lecture on "Some Problems of an Analytical Chemist," by Mr. Percy Bean.

Royal Society of Arts, John Street, Adelphi, London, W.C.2, at 8 p.m. Mr. G. G. Blake on "Applications of Electricity to Medical Practice."

Friday, December 14

Edinburgh Chemists', Assistants' and Apprentices' Association, 36 York Place, Edinburgh, at 8 p.m. Papers on "Eucalyptus," by Mr. H. Stout and "Thermometry" by Mr. G. Hedderwick.

English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Christmas Closing

The Home Secretary has made an order relating to general closing hours from Monday, December 17, to Monday, December 24, 1928, both days inclusive. This order has the effect of suspending during that period the operation of closing orders made under the Shops Act, 1912, and there will therefore be no limitation on the proving along them. evening closing hour of shops during that period. It does not, however, relieve occupiers of shops and others from the weekly half-holiday and other requirements of the Shops Acts, 1912 and 1913, or any requirements of the Licensing Acts. It is provided by the Shops Act, 1912, that if a shop is closed throughout the whole of a Bank Holiday and that day is not the day fixed for the weekly half-holiday, the shopkeeper may keep his shop open either on the half-holiday immediately before or on the half-holiday immediately after the Bank Holiday. The term "Bank Holiday" includes Christmas Day. Shopkeepers must close their shops as usual on the weekly shop assistant need not be given the prescribed weekly half-holiday in the week before a Bank Holiday if the assistant is not employed on the Bank Holiday and if the (or she) is also given a half-holiday in the Bank Holiday week.

Inquests

It was stated at a Shoreditch inquest, on December 4, that eight bottles of hydrocyanic acid, half a pound of arsenic, and 212 veronal tablets were discovered in a room in Lyle Street, where Boris Snyder, gown manufacturer, was found dead. Snyder had taken hydrocyanic acid and a piece of cake coated with arsenic. A verdict of "Suicide while of unsound mind" was recorded.

The Leicester coroner held an inquest recently, at the North Evington Infirmary, on the body of Mabel Forsberry, wife of a tailor. It was stated that she suffered from cancer. A sister-in-law said Mrs. Forsberry had complained of internal pains for some time, and had been taking medicine purchased from Mr. Samuel Geary, chemist and druggist, Conduit Street. About a month ago she underwent an operation at the infirmary, and she afterwards went to London for radium treatment. Mr. Geary stated that Mrs. Forsberry had been visiting his shop for from six to eight weeks for medicine. He had diagnosed muscular rheumatism. He had never treated the woman for cancer, nor had he ever suggested that disease to her. He had seen no signs of cancer. He had sold her medicine in the ordinary way, and had no reason to suppose that she was not deriving some benefit from what he prescribed for her. In returning a verdict in accordance with the medical evidence, the coroner said that Mr. Geary had taken a terrible responsibility on his shoulders, and he (the coroner) could not but think that he was to some extent to blame.

Birmingham

On November 26, in the Birmingham University Chemical Department, Sir Robert Robertson, F.R.S., of the Government Laboratory, gave a lecture on "Infra-red Absorption Spectra of Gases."

The funeral took place at Erdington, on November 30, of Alderman Alfred Paget Evans, who in early life was a chemists' assistant, but qualified as a doctor and built up a substantial practice.

Councillor E. W. Salt, managing director of Salt & Son, surgical appliance makers, Cherry Street, has been approved as a prospective parliamentary candidate in the Yardley Division of Birmingham.

Liverpool

Business is reported to be improving, and good Christmas trade is anticipated. Some attractive window displays are to be seen in the city and suburban shops, A Waterloo chemist has opened a special showroom for seasonable gifts.

The Liverpool Chemists' Association's annual ball at the Midland Adelphi Hotel on November 28 proved most successful and enjoyable. Mr. John Jones (president) and Mrs. Jones received the guests. Mr. Jones also officiated as M.C.

Manchester

Members of the Salford Pharmaceutical Association held their first annual dance on November 28 in the Broughton Town Hall. There was a large company, including a number of visitors.

In connection with the forty-eighth annual general meeting of the Society of Chemical Industry, which is to take place on July 8-13, 1929, in Manchester, a Chemical Engineering and Products Exhibition is to be held at the City Hall, Deansgate. The City Hall has recently been considerably enlarged.

On November 30 a dance was held at the Rusholme Conservative Club in connection with the Table Tennis Club recently formed by members of the staff of The Wardle Cotton Co., Ltd., Manchester. A very enjoyable evening was spent by a party of about 180. The prizes for dancing were presented by Mrs. Dean, the daughter of Mr. Hacking, managing director. The team at present ties for first place in the second division of the Manchester and District Table Tennis League.

Sheffield

Mr. W. E. Glossop, chemist and druggist, 275 Chester-field Road, has opened a branch at 106 London Road.

On December 4 Mr. A. E. Hardy delivered a lecture to the members of the Sheffield Photographic Society entitled "By Loch and Brae," dealing with the beauties of Scotland.

A building occupied by W. Pickard & Co., Ltd., manufacturing chemists, Rutland Road, was damaged by fire recently. The company's main premises in the same road were not affected.

Miscellaneous

FOOTBALL.—The annual football match between the head office staff of Burroughs Wellcome & Co. and the staff of the Wellcome Chemical Works was played in the grounds of the Wellcome Club and Institute, Dartford, on December 1. The result was a win for the works team by four goals to two. As a new feature this year netball matches were arranged between teams of ladies from the head office and the works. Of the four matches played, three were won by the works and one by the head office.

STAFF DANCE.—Under the auspices of Newbery's Social and Athletic Club, a successful dance was held at the Stanley Hall, Junction Road, London, N., on November 28. A large number of the staff and their friends attended. The music was rendered by H. Pruskin's Band, and Mr. Bernardin fulfilled the duties of M.C. to the satisfaction of all. For the spot dance four prizes were presented by Mr. W. J. Williams (director and secretary, who was accompanied by Mrs. Williams) to the successful couples. Mr. Williams also made a short speech. The captain of the football club (Mr. Marsh) and the secretary (Mr. A. Sims) were in charge of the arrangements.

In the courts.—At Bow Street Police Court, London, on December 1, Stanley Riles was committed for trial on a charge of demanding money with menaces in the shop of Arthur Rees, Ltd., chemists, Northumberland Avenue, W.C.2. Evidence was given by Mr. D. B. Rees and Mr. R. Offard, assistants to Mr. Rees.—At Clerkenwell Police Court, on December 4, Albert Davidson (25), labourer, was sentenced to six months' hard labour for being concerned in breaking into a lock-up shop at Highbury Corner and stealing a showcase and fancy goods, value £4, the property of Boots, Ltd.—At Merthyr Tydfil, recently, Morris J. Collins was fined 20s., with costs, for having sold vinegar deficient in acetic acid to the extent of 8 per cent.—At the same court, John Phillpots, summoned in respect of a similar offence, was ordered to pay costs.

League of Nations.—The United States Government, in reply to the Council's invitation to participate in the appointment of the Permanent Central Opium Board, has expressed its regret at its inability to do so. In its

opinion, the Geneva Convention is, in several respects, unsatisfactory, and it is therefore precluded from adhering to the Convention or participating in the appointment of the Board. The note, which has been published, contains in detail the reasons for this view. The United States, however, recognises that the traffic in narcotic drugs can be controlled only by international co-operation, and proposes in continuation of its efforts towards that end, and in addition to observing its obligations under the Hague Convention, to endeavour to furnish such information as the Permanent Central Board may request.

Commercial travellers' rail facilities.—The railway companies have agreed:—(1) That commercial travellers be issued tickets to their "home" stations for distances not exceeding 80 miles, on Mondays, Tuesdays, Wednesdays and Thursdays, at a single fare for the double journey, on surrender of voucher, the tickets to be available on the outward journey by any train at or after 4.30 p.m., and for return by any train starting at or before 10.30 a.m. the following day. (2) That cheap day tickets be issued to commercial travellers on Mondays to Saturdays inclusive, at a single fare for the double journey, for distances not exceeding 80 miles on surrender of voucher. The companies have further agreed that a commercial traveller may be issued a week-end ticket to any point from which an ordinary or trader's season ticket is valid to his "home" station; the commercial traveller in such cases, in addition to surrendering the usual voucher, will be required to produce his season ticket when applying for a week-end ticket to a station short of his "home" station. These arrangements will come into operation on January 1, 1929.

Scottish News

Brevities

Mr. Andrew A. Williamson, chemist and druggist, has been elected a Fellow of the B.O.A.

Mr. George Campbell has been elected secretary and treasurer for Dalbeattie Merchants' Association.

Mr. A. W. Ritchie was appointed president of the Montrose Merchants' Association at a recent meeting.

The annual dance of the Edinburgh Chemists', Assistants' and Apprentices' Association took place in the Kintore Rooms, Queen Street, on November 29, when a company that filled the hall joined in a highly successful and enjoyable evening. Messrs. Hedderwick, Laing and Skinner acted efficiently as M.C.s.

Miss Edith W. Robertson, daughter of Mr. J. W. Robertson, Blackness Avenue, Dundee, has received an appointment at the Lovedale Institution, South Africa, and sails on January 11. Miss Robertson served her apprenticeship to her father, and was the first woman to qualify as Ph.C. from Dundee Technical College.

Glasgow

Mr. R. H. Waller (Taylors' Drug Stores, Ltd.) recently addressed the members and friends of the Glasgow Advertising Circle and Business Club on "Retail Selling."

The first annual business meeting of the Glasgow Refraction Hospital was held at the Ca'doro, Glasgow, on November 7, the chairman, Mr. R. Dickson, chemist and druggist, presiding. The objects and constitution as amended were adopted. The following officers were appointed:—Chairman, Mr. R. Dickson, chemist and druggist, Glasgow; Vice-Chairmen, Mr. R. Taylor Poole, Kirkintilloch; Mr. Jas. Abbott, chemist and druggist, Glasgow; Technical Secretary, Mr. R. C. Buchanan, B.Sc., Glasgow.

On the invitation of the Andersonian Chemical Society, the Royal Technical College Pharmacy Club recently debated the subject, "Is the pharmacist of more value to the public than the chemist?" Mr. Baxter championed the affirmative, and was seconded by Mr. Muir. The Andersonians' spokesmen were Mr. Patrick and Mr. McDougall. Lively discussion took place, and another question, "Should the pharmacist be allowed to call himself a chemist?" crept in. On a vote being taken, the pharmacists won.

Irish News

Brevities

Mr. S. P. Phelan has opened a business at 37 John Street, Waterford.

At a meeting of Duncairn Unionist Association, Belfast, on November 23, Councillor Samuel McLoughlin, Ph.C., Oldpark Road, was unanimously renominated for the municipal elections in January.

At Cork, recently, Judge Kenny gave a decree for £150 against Nathaniel Long, Wilton, Ballintemple, billiard-room proprietor, in an action against him by Mr. W. G. Whittaker, Ph.C., 17 Bridge Street, for personal injuries caused by the negligence of defendant in the management of a motor-car.

The inquest on Bridget Elizabeth Flanagan, Legland, Fermanagh, near Enniskillen, who died on October 20, was concluded recently. Mr. Charles McMullen, public analyst for Fermanagh, gave evidence of having found phosphorus in all her organs. This amounted approximately to $\frac{7}{8}$ gr., which was sufficient to cause death. Drs. McSorley and Bryson agreed, and a verdict in accordance with the evidence was returned by the jury. After the inquest John J. Flanagan, farmer, was arrested and charged with murder.

In Dail Eireann, recently, on the motion for £3,193 for the salaries and expenses of the Irish Free State Laboratory, Mr. Kerlin complained that the salaries of the chemists employed ranged from £180 to £220 per annum. The pathologist received only £290 a year. It would not cost more than £2,000 to pay them adequate salaries. He asked the Minister for Finance if he had considered the possibility of research work on the utilisation of peat and mineral resources. The Minister for Finance said that the particular purpose of the laboratory was to make the tests necessary for revenue purposes, or for purposes in connection with Government contracts. It was largely routine work. He did not see any reason why they should pay more than the commercial rates.

Business Changes

Mr. W. E. Glossop, chemist and druggist, 275 Chesterfield Road, Sheffield, has opened a branch at 106 London Road.

G. & I. Lamb is the new style and title of the business formerly carried on under the name of Alexander Davidson, 172 High Street, Montrose.

Aug. Levermore & Co., Ltd., manufacturing chemists, 8-10 Great St. Helens, London, E.C.3, are removing their offices to 110 Cannon Street, E.C.4, on December 14.

TAYLOR, BRAWN & FLOOD, LTD., Bedford, have taken over the business of Mr. W. H. Scott, chemist and drnggist, Sandy, which they will conduct as a branch.

Owing to extension of business, Burroughs Wellcome & Co., Montreal, have transferred their offices and warehouses from Coristine Building to 643 Craig Street West, Montreal.

Mr. J. E. WHITAKER, chemist and druggist, has taken over the business carried on for twenty-seven years by Mr. E. Orlando Tims, chemist and druggist, London Road, Alderley Edge.

MEGGESON & Co., Ltd., Bermondsey, London, S.E.16, have purchased the business of Hawker Bros., 7 Deuman Street, S.E.10. This old-established firm of lozenge and tablet manufacturers were the originators of the "Queen" cachous.

Mr. H. E. Bailey, chemist and druggist, 64 High Street, Highgate, N.6, has taken over the business of Mr. C. E. Saunders, chemist and druggist, 50 High Street, Highgate, N.6, and will carry it on as a branch under its present name.

Mr. W. Douglas Clague, chemist and druggist, formerly manager with Mawson & Proctor, Ltd., Newcastle-on-Tyne, has taken over the business of Mr. John Penrose, chemist and druggist, Fore Street, Looe, Cornwall, who has retired.

General Medical Council

(Concluded from the C. & D., December 1, p. 661.)

RESTORATIONS

The registrar reported that the names of the undermeutioned had been restored to the "Medical Register," from which they had been erased:—

Anderson John Charles (E.).
Beattie, William Purvis (S).
Bowen, Daniel Robert (S.).
Bown, Henry (E.).
Brook, Thomas (I).
Clark, Andrew (S).
Cook, Edward
Ferguson. George G. (S).
Frazer (Mrs.) Jane M. (S).
Gilmour, Robert T. (E).
Goodridge, Leslie A. (E).

Hakim, Bakhtyar R. R. (Col.).
Hole, Richard Brassey (S).
Homer, Charles (S).
James, Arthur Edwin (S).
McElwee, Daniel (I).
Marriott, Phyllis (E).
Richards, Arthur J. (S).
Sumner, Theodotus John (S).
Walsh, Michael Vincent (S).

DENTAL BUSINESS

It was announced that the registrar of the Dental Board had been directed to restore to the Register the names of William Birkett, Samuel Theodore Hilton and Thomas McGowan.

After consideration of a report from the Board, the Council directed that the name of Joseph Jennings, 12 Market Street, Lurgan, who had been charged with canvassing, be erased from the Dentists' Register.

MEDICAL DISCIPLINARY CASES

The Council proceeded to deal with complaints against medical men. The first case taken was that of Mr. John Joseph Macabe, M.B., B.Ch., 58 Brunswick Street, Chorlton-on-Medlock. who had been convicted of assault, drunkenness and disorderly conduct, and originally appeared before the Council in November 1927. Satisfactory testimonials and assurances were now forthcoming, and the name of the respondent was retained on the Register.

Similar cases which followed were those of Mr. John McGhee, M.B., Ch.B., Station Road, Galston. Aryshire (adjourned from November 1927). Mr. Robert Louis Portway, M.R.C.S., L.R.C.P., Flat 3, 80 Long Acre, W.C.2 (adjourned from May 1928), and Mr. Bertie Edward Acland, M.B., Ch.B., 19 Sandown Road, Leathforth. Satisfactory assurances were produced in respect of the first two, and the last-named was directed to present himself again before the Council in a year's time.

The case of Mr. Arthur Fitzwilliam Comyn, M.B., etc., White House, Ladies Walk, Hythe, who had been a co-respondent in a divorce suit, was dismissed, the Council finding the facts not proved to their satisfaction.

Dr. George Bidie, c/o Lloyds Bank, 6 Pall Mall, S.W.1, and Mrs. Mary Joseph O'Flynn, M.B.. B.Ch., had been summoned to appear on charges of direct or indirect advertising and of being "associated with and/or...employed by an Institution called 'Alpine Sunray Treatments' which advertises for the purpose of obtaining patients." This was the first case taken on November 28. The name of Mrs. O'Flynn. who, it was stated, was indisposed, was deleted from the inquiry, and Dr. Bidie was discharged with a caution.

Mr. Ronald Anderson, M.B., Ch.B., 363 Brixton Road, London, S.W.9, appeared in answer to a charge of taking advantage of his position as a medical man to commit misconduct with a female patient. The case was heard in camera. The president eventually announced that the facts alleged against Mr. Anderson had not been proved to the council's satisfaction, and the case was dismissed.

tacts alleged against Mr. Anderson had not been proved to the council's satisfaction, and the case was dismissed. Mr. Samuel Nagley, M.B., Ch.B., 169 High Street, Homerton, London, E.9. was charged with a similar offence. The case was heard in camera. The council found the charge proved, and directed that Mr. Nagley's name be erased from the register.

WARNING NOTICE MODIFIED

The words "skilled mechanics" in the warning notice as to "covering." following the phrase "the proper training and instruction," etc., have been changed by the Council to "skilled mechanical or technical assistants."

Pharmaceutical Society of Trinidad and Tobago

A MEETING on July 11 was attended by Messrs. Percy Philip, president (in the chair), F. E. Grant (vice-president), Carl McCarthy, A. N. Thomas, J. F. Nelson, E. A. Walcott, Hugh Piggott, R. R. McCarthy (treasurer), Henry Joseph (hon. secretary), and others. The correspondence read was (1) from The Chemist And Druggers acknowledging the receipt of further subscrip-DRUGGIST acknowledging the receipt of further subscriptions, and (2) from the secretary of the Medical Board on country shopkeepers. The vice-president said he was not satisfied, as those breaches must be taken seriously if a stop was to be put to them. The president said there were two points in the letter from the Medical Board about which he would be glad for first-hand evidence, so as to take up the matter again with the Board, as it was only by persistent and determined effort that the Society would achieve success. The treasurer's report was read.

Mr. RALPH McCarthy moved the following motion :-"That the Society request the Medical Board when issuing licences to country shopkeepers under the Shop Licensing Ordinance, that the regulations and schedule, and the conditions thereunto, enumerating the drugs as permitted to be sold under such a licence, be set out, and that, further, no druggist (wholesale or otherwise) should supply such drugs to any shopkeeper holding a shop licence except in accordance with the said regulations, and that any druggist or wholesaler contravening the said regulations under the Shop Licence should be dealt with under the said ordinance." City drug stores with qualified men were inspected by members of the Medical Board, but country provision shops, licensed under the ordinance (in many instances with illiterate Chinese with hardly any knowledge of English), were allowed to carry on, with never an inspection. He related incidents that came under his own observation.

Mr. Grant, in seconding the motion, congratulated the mover on the way he had dealt with the subject. There was no gainsaying that country shops licensed under the ordinance were becoming a public danger.

Mr. Thomas, supporting, thought country druggists should be grateful to Mr. McCarthy for his splendid service in their cause. He (Mr. Thomas) had carried

on a country drug store for a number of years.

Mr. Joseph said that, as secretary of the society, he had to hear from time to time complaints from country druggists who invariably charged the society with doing nothing to help them, when their own indifference to their own interest was the real reason. The wholesale houses might grumble because of this motion, but one

had to look ahead, and very far ahead at times.

Mr. Walcott said that while the business house in which he was engaged was purely "wholesale," he welcomed such an enforcement of the law, because each and every one would be bound by it. In the last Chemist and Druggist he saw that training in wholesale departments in England was advected. in England was advocated.

Mr. CARL McCarthy said the motion was only asking to enforce the law as it stood at present, and they would be only doing what they were organised to do, to protect the professional and trading interest of members.

The President said, before putting the motion, he would like to say in respect to patent and proprietary medicines, it should be suggested that some slight alteration should be made in that respect, as under the present ordinance country shops were violating the law when they sold other than in original packages of a dozen or half a dozen. That was a hardship, and a schedule of a few of those patents that should be permitted to be sold in single bottles should be arranged. The motion was

then put and unanimously carried.

The report of the Students' Committee was discussed and referred to a special committee, who are to prepare a series of organised efforts to interest students. a series of organised enorts to interest students. The secretary said he would like to know if the society intended to do anything this year for "Pharmacy Week." The president remarked that, while he thought "Pharmacy Week" a splendid thing, he was against the society undertaking it this year. Last year those persons who had given their word to subscribe did not, and the society was left out of product the content of the society. was left out of pocket. (The address of the Pharma-

centical Society of Trindad and Tobago is 69 Pembroke Street, Port of Spain, Trinidad, B.W.I.)

At the meeting of the society held on September 17, Mr. Thomas gave notice of the following motion for next meeting :-

"That it is desirable in the interest of the profession and the Pharmaceutical Society in particular that a radical change be made with regard to the admittance of boys or girls into pharmacy, notwithstanding their having passed the Preliminary examination and obtaining a certificate from the Medical Board. . . ."

The President said that he hoped in future members who were dissatisfied with reports of the society's meeting would, instead of rushing to the Press to air their grievances, come to the society and have matters adjusted.

Mr. Ralph McCarthy said he had seen in the Press that the "Dangerous Drug Act" would soon be before the Legislative Council. About two years ago the society was asked for its views, and they had made certain suggestions. He asked if these were adopted.

The Secretary said he had seen a printed copy of the ordinance, and, as far as he remembered, certain exemptions and suggestions had been adopted.

The President said it had been brought to his notice that a professing doctor or "faith healer" had been issuing slips of paper with the name of certain drugs written on them, and a certain druggist had been supplying them in a few instances. He warned members

that the society could not countenance such practices.

At the October meeting of the Society, Mr. WALCOTT said that THE CHEMIST AND DRUGGIST should be written to, asking what was the best means of meeting the great difference there was in several well-known preparations of the B.P., sent out by the different manufacturing chemists, which created the impression in the lay mind and even with medical men that there had been some kind of substitution, while, as a matter of fact, the therapeutic value and standard strength was the same. The suggestion to write to The Chemist and Druggist met with the approval of the meeting.

With respect to his motion regarding apprentice-ship, Mr. Thomas said that his only desire was to see the system of studentship and employment in pharmacy less lax than it was at the present time. He was willing to adapt himself to any suggestion so long as it meant a reform of the present system.

Mr. Grant, in seconding the motion, agreed that there was a great need for a change in the system as at present obtained, but there were several points with which he disagreed, for the simple reason that they had no statu-

tory powers and could not enforce those rules.

The President said he knew the preliminary examination and the registration of students left much to be desired. He threw out the following suggestion: "That on account of the unsatisfactory results obtained from the present registered students, the Society should approach the Medical Board requesting that the standard be raised and that such other steps be taken as to ensure a better system of apprenticeship.

Mr. Piggott moved an amendment in the terms sug-

gested by the president.
Mr. Walcott seconded, and Mr. Ralph McCarthy supported the amendment.

Mr. Thomas consented to withdraw the motion. The PRESIDENT said he would ask the Students' Committee to call their meeting and draft a memorandum to the Medical Board in accordance with the amendment. He would like to make some observations in respect to quinine and the remarks made at the last meeting of the City Council. The Government had already been doing its share by way of making quinine cheap for those who had small means. An amendment was moved to control the price of quinine, and from his experience he knew what would happen when these things began.

Mr. Piggott said it was a very vexed question, and laymen who did not know anything about the subject

were airing their views. After further discussion, the PRESIDENT said he thought it better to send their views to the Medical

Board, whose business it was to protect them, asking them to lay their protest before the Government.

d. 0

Glyn-Jones Memorial Fund

We have received from the Pharmaceutical Society of Great Britain the following third list of subscribers to the Glyn-Jones Memorial Fund:—

	the Glyn-Jones Memorial F	und:—	.ocro
	Boot, Sir Jesse, Bt 105 0 0	Wright I A	£ s.
	*Howards & Sons,	Wright, J. A. Martyn's Stores, Ltd.,	
	Ltd 105 0 0 *May & Baker, Ltd. 105 0 0	Branches of Abelson, B. B. S. Allen, J. Rex Andrew, C. W. Audsley, B. Barker, E. C. Bell, J. G. Bell & Co. Bennazon, I. Bentley, A. O. Bonner, C. G. Bowdler, E. H.	$\begin{array}{ccc} 1 & 7 \\ 1 & 1 \end{array}$
	*May & Baker, Ltd. 105 0 0 Wander, A., Ltd 100 0 0 *Wright, Layman &	Allen, J. Rex	1 1
	Umney, Ltd 52 10 0	Audsley, B.	1 1
	*Boots Pure Drug Co., Ltd 50 0 0	Bell, J. G.	$\begin{array}{ccc} 1 & 1 \\ 1 & 1 \end{array}$
	Brittain, R. H 10 10 0 Burgess, E., Ltd 10 10 0	Bell & Co	1 1
	Dublin & Provincial	Bentley, A. O	1 1
	Retail Drug Asso-	Bonner, C. G Bowdler, E. H.	$\begin{array}{ccc} 1 & 1 \\ 1 & 1 \end{array}$
	Gambles, J. C., &		1 1
	Cambles, J. C., & Co., Ltd	Crawford, I.	1 1 1 1 1 1 1 1
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	Croydon Branch,	Davies, D. E	1 1
	P.S.G.B., and Croydon Pharma- ceutical Assocn 7 18 6	Dow, W. Burgess	1 1
	ceutical Assocn 7 18 6 Leeds Branch: Per	Dorling, H. B.	1 1
	A. W. Lupton,	Brown, T. Coleman, I. H. Crawford, I. Curtis, W. E. Dale, J. Davies, D. E. Davies, D. R. Dow, W. Burgess Dorling, H. B. Dryden, T. Dyer, F. J. Forbes, J. Grant, J. Haynes, A.	1 1
	additional to indi- vidual subscriptions	Grant, J.	$\begin{array}{ccc} 1 & 1 \\ 1 & 1 \end{array}$
	already acknow-	Haynes, A.	1 1
	ledged:— £ s. d.	Haynes, A. Hewlett, V. C. Hendry, F. H. "H. S. H."	$\begin{array}{ccc} 1 & 1 \\ 1 & 1 \end{array}$
	Crummack, G. C. 0 10 0	Hutchin, L. A. J	$\begin{array}{ccc} 1 & 1 \\ 1 & 1 \end{array}$
	Beacock, J. H. 1 1 0	Hutchin, L. A. J. Hutchinson, J. W	īī
	Crummack, G. C. 0 10 0 Beacock, J. H. 1 1 0 Gilleghan, H. 1 1 1 0 Simmons, T. D. 0 10 0 "H. M." 0 10 0 Moulds, G. R. 0 10 6 Birss, E 1 0 0 Briggs, A. R. 1 1 0 Bean, M 0 5 0 Haworth, J. P. 1 0 0 Dobson, P 0 10 6 Rothstein, A. 1 1 0	Hutchinson, J. W Hunt & Co. (Winchester), Ltd. Hickman & Metcalf Jenkins, T. H. Jones, W.	1 1
	"H. M." 0 10 0 Moulds, G. R. 0 10 6	Hickman & Metcalf	$\begin{array}{ccc} 1 & 1 \\ 1 & 1 \end{array}$
	Birss, E 1 0 0	Jenkins, T. H. Jones, W. Kenway, I. Lands, Ltd. Lewis, T. E. B. Lindsey, T. C., & Co., Ltd.	1 1
	Briggs, A. R. 1 1 0 Bean, M 0 5 0	Lands, Ltd.	$\begin{array}{ccc} 1 & 1 \\ 1 & 1 \end{array}$
	Haworth, J. P. 1 0 0 Dobson, P 0 10 6	Lewis, T. E. B	1 1
	Rothstein, A. 1 1 0	Ltd.	1 1
	Rothstein, A. 1 1 0 Richardson, H. 3 3 0 Long, F. C 1 1 0	Morgan, P. G. (G. H. Morgan & Sons)	1 1
	Calverley, J., and Shooter,	Neil, H Peake W H	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	T 110	Plowright, J	īi
	T 1 1 0 Armitage, N. N. 1 1 0 Swaits. R 0 10 6	Reade Bros. & Co., Ltd	1 1
	Swaits, R 0 10 6 Creasey, D. E. 0 10 0 Lupton, A. W. 0 10 0	Rees, J Robson, J. T	$\begin{array}{ccc} 1 & 1 \\ 1 & 1 \end{array}$
	Lupton, A. W. 0 10 0	Swinburn, B	1 1
	Hall, Forster & Co.,	Thomas, W. H. Thorpe, F. W. Tickle, J. Tyler, A. T. Walker & Harris, Ltd. Wallis, T.	$\begin{array}{ccc} 1 & 1 \\ 1 & 1 \end{array}$
	Ltd 5 5 0 Martyns Stores, Ltd. 5 5 0	Thorpe, F. W Tickle, J	$\begin{array}{ccc} 1 & 1 \\ 1 & 1 \end{array}$
	Martyns Stores, Ltd. 5 5 0 Northampton Pharmacists' Assocn. 5 5 0	Tyler, A. T Walker & Harris Itd	1 1
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	Pidd, A. J 5 5 0 Simmons, E. H 5 5 0	Warner, H. L. Warner, N. R.	1 1 1 1 1 1
	Barton, E. A 5 0 0 Corfe & Son, Ltd 5 0 0	Warren, P. H. Watt & Stephen, Ltd.	$\begin{array}{ccc} 1 & 1 \\ 1 & 1 \end{array}$
	Francis, J. B 5 0 0	Westmacott & Son	1 1
	Ltd 5 0 0	Williams, D. J. Williams, H. G. Williams, J. F.	$\begin{array}{ccc} 1 & 1 \\ 1 & 1 \end{array}$
	Ellerington, J. P 3 3 0 Folkestone Chemists'	Williams, J. F. Asbury, A.	1 1
	Assocn 3 3 0 1	Beach, T. E	1 0
	Gutteridge, G. N 3 3 0	Collings, E. A.	$\begin{array}{ccc} 1 & 0 \\ 1 & 0 \end{array}$
	Southend-on-Sea Asso- ciation of Pharma-	Ellic A T M	$\begin{array}{ccc} 1 & 0 \\ 1 & 0 \end{array}$
	Cists	Evans, E	1 0
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	Bennett, R. R 2 2 0 Bourdas, I., Jun 2 2 0	Thursfield, I. H.	$\begin{array}{cc} 1 \cdot 0 \\ 1 & 0 \end{array}$
	Bridgend & Dis. Branch P.S.G.B 2 2 0	Anderson, R Buchanan, Margaret	0 10
	Brooke, R. Woolby., 2 2 0	Bruce, G	0 10 0 10
	Davidson, A. E. 2 2 0 Drabble, T. L. 2 2 0 Dunn, W. R. 2 2 0 Eden, W. J. 2 2 0 Greenish, H. G. 2 2 0 Hall, A. J. 2 2 0 Marlow, A. E. 2 2 0 Phillips, S. 2 2 0 Pickard, S. N. 2 2 0 Preston, T. I. 2 2 0 Wante, P. 2 2 0 Warner, C. M. 2 2 0 Weston & Co., C. 2 2 0	Coward, M Fairman G. S	0 10 0 10
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	Greenish, H. G. 2 2 0 Hall, A. J. 2 2 0 Marlow, A. E. 2 2 0	Hodgson, C	0 10
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:	Phillips, S 2 2 0 Pickard, S. N 2 2 0		0 10
	Potter & Clarke, Ltd. 2 2 0	Jobling, J. W. Jones, W. Miall Kent, J. H. Moncur, J. Naylor, C. Rankew, C.	0 10 0 10
,	Potter & Clarke, Ltd. 2 2 0 Preston, T. I. 2 2 0 Want, P. 2 2 0 Warner, C. M. 2 2 0	Rutherford, F.	0 10 0 10
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	Weston, W. A 2 2 0	Walton, T	0 10

	£ s. d.	£ s. d.
Williams, E. M.	 0 10 6	James, E 0 5 0
Bailey, H. N	 0 10 0	Nicholson, T. T 0 5 0
Melhuish, L. V.	 0 10 0	Summers, S 0 5 0
Ridley, A	 0 10 0	Margetts, R 0 2 6
Shepherd, J. H.	 0 10 0	Rowe, B 0 2 6
Vallans, W	 0 10 0	
Vinden, F. W.	 0 10 0	819 14 0
Clark, J. S	 0 5 0	Previous Lists 767 4 4
Davies, E. W	 0 5 0	
Hewish, A. R	 0 5 0	Total £1,586 18 4

* Received through the Drug and Fine Chemicals Manufacturers' Association.

Retail Pharmacists' Union

Executive Meetings

MEETINGS of the Executives of the Retail Pharmacists' Union and Chemists' Defence Association were held at 4/5 Queen Square, London, W.C.1, on November 27, Mr. J. E. French in the chair.

NATIONAL HEALTH INSURANCE

A report was received regarding the negotiations which have been taking place with the British Medical Association and the Ministry of Health on the arrangements for procuring uniformity in defining drugs and medicines for the purposes of medical benefit.

It was reported that definite arrangements had been made for the establishment of an advisory committee which would include representatives of the National Association of Insurance Committees, the British Medical Association, the Retail Pharmacists' Union, and the Medical Research Council. The committee would advise the Minister in regard to questions arising as to foods and drugs and any allied problems, such questions being submitted to the advisory committee at the instance of the Ministry of Health, the Insurance, Panel or Pharmaceutical Committees as the case might be.

The position in regard to the chemists' contracts was

The position in regard to the chemists' contracts was reviewed by the Executive, and it was decided in view of the establishment of the Advisory Committee to continue the present arrangements for another year, but at the same time to ask the Ministry of Health for an extension of notice to operate either at the end of June or the end of December 1929, by which time it would be possible to judge the effect of the decisions of the Advisory Committee The decision to continue the N.H.I. contracts for another year was made in accordance with the authority given to the Executive by the conference of representatives.

The report of the Distribution Committee showed that

The report of the Distribution Committee showed that the N.H.I. financial position, so far as the chemists' fund is concerned, had improved considerably, and that it would be possible to reduce the discounting to $2\frac{1}{2}$ per cent. off the fees for the months of October, November and December. At the present time it seemed likely that the payments for the whole of 1928 could be brought up to a level of not less than $97\frac{1}{2}$ per cent. of the accounts.

Correspondence

Correspondence received included a letter from Mr. C. H. Kirby, saying that he had received on behalf of the Retail Pharmacists' Union an undertaking from Johnson & Johnson that in consideration of the Retail Pharmacists' Union refraining from opposing their application to register the name "Johnson's" as a trade mark, they would undertake that the registration should not interfere with the rights of any person for the time being a member of the Retail Pharmacists' Union, and lawfully using the name "Johnson" or "Johnson's" on or in connection with the sale of the goods to which the mark was to apply

on or in connection with the sale of the goods to which the mark was to apply.

The East Suffolk Insurance Committee submitted the following resolution:—" That as such appliances as cotton-wool, gauzes, etc., have to be supplied in sealed packets as received from the wholesalers or manufacturers, the Committee is of the opinion that the Minister of Health should have such wholesalers' or manufacturers' supplies tested from time to time by Insurance Committees on his requisition or otherwise as the Ministry may think fit." The Executive were prepared to support such a proposition if the Ministry would arrange a scheme for carrying it into effect.

Chemists' Defence Association Matters

The secretary reported that there were fourteen cases outstanding since the last meeting, of which two might be considered closed. Two other claims in respect of damage caused to motor-cars by members' errand-boys had been settled by payments of £8 and £2 10s. 6d. Another claim for damage caused to premises by a broken Winchester of sulphuric acid had been settled by payment of £8. The remaining eleven cases were still the subject of negotiations. Eight new cases had arisen during the month, of which four had been settled as follows:—Claim for loss of pedigree puppies which had died after the administration of medicine containing strychnine, settled by payment of £10; claim for damage to motorcar caused by cycling errand-boy, settled by payment of £1 18s.; claim for clothing damaged by trap door, settled by payment of 16s.—6d.; claim for clothing damaged by hook outside member's premises, settled by payment of £1 5s. The remaining cases were left in the hands of the secretary.

District Meeting

Manchester.-A district meeting organised by the Manchester,—A district meeting organised by the Manchester, Salford and District Branch was held at the Houldsworth Hall on November 28, Mr. D. Dickson in the chair. The gathering included representatives from Blackburn, Glossop, Leigh, Tyldesley and other southeastern Lancashire towns. The chairman said that the object of the meeting was to discuss the action of the Proprietary Articles Trade Association Executive in dealing with completite from the north western account. ing with complaints from the north-western area. There was grave dissatisfaction in these industrial areas, because it was considered that the firms who had been reported for infringements of the P.A.T.A. regulations had been treated too leniently. The practices complained of continued because of this leniency. They had been most loyal, he said, in their support of the P.A.T.A., and their sole desire was to strengthen its position and prestige in that area. He gave a warm welcome to Mr. Alfred Higgs, president, and Mr. H. E. Chapman, secretary of the P.A.T.A. Mr. Simmons (Salford), in opening the discussive, criticised the action of the P.A.T.A. with respect to the handling of complaints of co-operative stores giving dividends on P.A.T.A. goods. This had evidently been ineffective. The speaker mentioned specific cases, and urged the P.A.T.A. Executive to take more drastic action against offenders than they it was considered that the firms who had been reported to take more drastic action against offenders than they had done in the past. A resolution penalising firms that persistently violated P.A.T.A. regulations and the cutting off of their supplies for a period of three months was unanimously passed at a meeting of R.P.U. delegates last year. He wanted to know why this was turned down by the P.A.T.A. Executive. He recognised the splendid work that had been done by the P.A.T.A., and he for one would be sorry to see it curtailed. Mr. Law (Blackburn) said that in his town the chemists were suffering very much from the unfair competition, not only by the dividend-giving "co-ops," but by other traders who were cutting the P.A.T.A. goods in a most flagrant manner. He desired an assurance from the P.A.T.A. that a stronger effort would be made in their area to put a stop to this senseless and unfair cutting. Mr. McKinlay (Glossop) quoted complaints made over a period of two years. Mr. J. H. Nidd (Manchester) said that the P.A.T.A. was a great organisation, and he urged its officers to use their persuasive powers to bring into line all the people who were not complying with the regulations. Mr. Higgs (who received a hearty reception) said the position of the P.A.T.A. was that it was a voluntary body depending for its success upon the allegiance of its members. The officials of the organisation of the property of the organisation of the property of the organisation. tion had a task which was not exactly a bed of roses, for 90 per cent. of their correspondence consisted of complaints, which were always dealt with without delay. They always did their best, and in the difficulties with which they were often confronted it was well-nigh impossible to please everybody. He could assure them that invariably the managers of the co-operative stores gave the undertaking that P.A.T.A. goods would not be regarded as dividend-bearing goods. Whenever these infringements were reported to them, they took the matter up at once. He always preferred peaceful negotiations with offenders rather than penalising them. He knew that a great many opponents would like to see the P.A.T.A. abolished. Mr. Higgs described the many methods adopted by manufacturers in coding their goods, so that the source of supply, when an infringement occurred, could be easily traced. He compared the conditions prevailing to-day with those of the cutting days of thirty years ago. Mr. Chapman said that he did not mean to apologise for the "misdeeds" of the P.A.T.A., which, in spite of all that had been said, was an invaluable asset to chemists. He gave information and figures to prove that steps had been taken to stop price cutting, the giving of coupons, gift schemes and giving dividends on P.A.T.A. goods. These steps, he declared, were usually effective in stopping such practices. They had to walk warily, for they were beset with enemies. They had to depend largely on local help. The assistance of bona-fide wholesale firms was freely given. A suggestion that these goods should only be supplied through P.A.T.A. members could not possibly be carried out. Definite complaints were always dealt with without delay, and they endeavoured to bring the culprits into line. He contended there was a great future for the P.A.T.A. Mr. J. Cleworth suggested that "every manufacturer of an article or preparation on the P.A.T.A. shall affix on that article, in a prominent position, a label or notice that the article or preparation shall not be sold under the P.A.T.A. published price." He considered this necessary, as he had come in contact with small shopkeepers who were totally ignorant of the rules of the P.A.T.A., and consequently sold the P.A.T.A. goods at any price that appeared to show a profit. Mr. Chapman said the suggestion would receive consideration, although the same idea had been turned down by the late Sir William Glyn-Jones. Further discussion followed. A cordial vote of thanks was accorded to Mr. Higgs and Mr. Chapman.

Prescription Problem

The Editor will be glad of the loan of original prescriptions suitable for this column, together with the solution of each difficulty.

The transcription of the prescription reproduced in facsimile in our issue of December 1 (p. 661) is as follows:—

P[o]t[.] Brom[.] 3j.
M[ist.] Bism[u]th[i] 3viij.
3ss t[.]d[.]s[.]a[.c.]
Ung. Met[h]y[l.] Salyl[.] ... 3j.

EXHIBITION OF COLOUR PHOTOGRAPHS.—An exhibition of colour photographs made by similar material to that which is shortly to be placed on the market by Colour Snapshots (1928), Ltd., is being held at the Cooling Galleries, 92 New Bond Street, London, W.1, from December 4 to 15. The pictures, which have been made with cameras such as are used by the average amateur, include landscapes, seascapes, portraits and still-life studies. The offices of the company are being removed from 60 Conduit Street to 35 Davies Street, London, W.1.

Doctors as voters.—The "British Medical Journal" comments as follows on the voting in the recent General Medical Council election:—"That one medical practitioner out of every two should not trouble to vote at all is perhaps less surprising than it is regrettable; but that one medical practitioner out of every twenty who does vote should fail to observe the rules, and thereby distranchise himself or herself and waste time and labour and postage, is really astonishing. Why should 200 doctors be interested enough to vote at all, and yet not interested enough to fasten their identification envelope in the way prescribed, or 271 others omit to sign their name, or 155 more send in their voting papers too late, not to speak of seven who posted empty envelopes? Invalid votes in a popular election are regarded as some index of illiteracy. That cannot be the case here. Is it absence of mind, or, more probably, impatience with all official instructions, even with the very simple ones issued with these voting papers, and a desire to 'take them as read'?"

Festivities

Cardiff Dinner Innovation

The twenty-fourth annual dinner of the Cardiff Pharmacists' Association was held at the Royal Hotel, on November 28. The president, Mr. J. D. Jenkins, presided over a company numbering about 200. Supporting the president and Mrs. Jenkins were the Lord Mayor of Cardiff, the ex-mayor (Alderman H. J. Howell), Mr. J. P. Gilmour (editor of "The Pharmaceutical Journal"), Principal Coles, and many others. An innovation was introduced this year by making efforts to secure the attendance of all the past-presidents, and of a possible twenty-two there were twenty-one present. The president gave the toast "Past-Presidents of the Association," and referred to some of the difficulties and pleasures connected with the formation and earlier years of the Association. Mr. Albert Hagon, the first president of the Association, responded in a reminiscent vein, and mentioned that prior to the existence of the Association the chemists of the city held each other in fear, at times even hostility. In speaking of the future, he emphasised the necessity that Wales should have a representative on the Council, and strongly advised the Cardiff Association to co-operate with all the Welsh associations and choose a candidate for next May. Mr. S. B. Eason proposed. "The City of Cardiff," and the Lord Mayor replied. The toast of "The Ladies" fell to the lot of Mr. Gilmour, and Mrs. Jenkins suitably responded. Alderman Howell, chairman of the Pharmaceutical Service Subcommittee, in proposing "The Cardiff Pharmacists' Association," expressed his admiration of the pharmacist in carrying out the work of the National Insurance dispensing. Mr. Thomas Lewis, vice-president, replied. During and after dinner musical selections were given. Dancing was then enjoyed until early morning. Messrs. W. C. S. Thomas and E. A. Ward were congratulated on the arrangements.

West Kent Annual Dinner

THE evening set apart for the ninth annual dinner of the West Kent Pharmacists' Association at the Royal



Mr. C. B. Snow

Association at the NoyanBell Hotel, on November 28, was fine, rendering the coming and going
to and from the ancient
town of Bromley enjoyable. Nearly 100 members and guests sat down.
Mr. C. B. Snow was in
the chair, and among the
company were Mr. J. E.
French (chairman of the
R.P.U.) and Mrs. French,
Mr. H. N. Linstead (secretary and registrar of
the P h a r m a c e u tical
Society) and Mrs. Linstead, Mr. Frank Browne,
Mr. Phillip Want (editor
of "The British and
Colonial Pharmacist")
and Mrs. Want, Messrs.
H. C. Neve and W.
McBride (Croydon), and

Mr. Ormiston (Mayfield). The programme provided at the close by George Cameron's Entertainers ("The Curiosities") was thoroughly appreciated. Mr. Linstead, in proposing the toast "The Retail Pharmacists' Union," was very happy in his description of the evolution of the R.P.U. from its parent, the Pharmaceutical Society, and contrasted the ethical and scientific side of the Society with the business side associated with the R.P.U. Mr. French, replying, delighted the company with an after-dinner story. He then proceeded to eulogise the Pharmaceutical Society for having had the courage, eight years ago, to deliberately allow (by the test case) so large a portion of its hitherto assumed rights to be severed from its jurisdiction. Mr. French also referred to the great work done for the P.A.T.A. by Sir William Glyn-Jones. Mr. E. G. Price, in proposing the toast of "The Chairman," said that the West Kent Association had always been happy in its choice of chairman. The Asso-

ciation was very much alive. Mr. Snow, in thanking Mr. Price for his remarks, said he would not enlarge upon the sterling qualities of the members. He felt that their friendliness was akin to brotherliness. "The Visitors' was handled by Mr. Alan Bone. Mrs. Linstead, who received au ovation, charmed everyone by her fresh and happy remarks. She wished particularly to say that she thought the West Kent Association set a very high standard of hospitality.

London Sports Clubs' Joint Evening

THE joint annual dinner, dance and distribution of prizes of the Script Sports Club and the London Chemists' Sports Club was held at the Hotel Russell on November 29, the president of both (Mr. Herbert Skinner) in the chair. There was a representative gathering (nearly 200) of pharmaceutical sportsmen and sportswomen. Speeches were barred, but musical items were contributed by Miss Mary Boyes and Mr. Cecil Johnson, the pianist to the latter being Mrs. H. N. Linstead. The Weona Light Orchestra supplied music during the dinner and for the dance afterwards. The trophies and prizes were presented as follows:—Shooting: The Maw challenge shield, competed for by Association teams of six Sports Club was held at the Hotel Russell on Novemlenge shield, competed for by Association teams of six and won on the aggregate by the South-Western, the team being Messrs. Atkins, Brook, Broomfield, Fitch, Garden and Monaghan (captain). Spoons were presented to each member by S. Maw, Son & Sons, Ltd. The Keall cup for the highest of three shoots went to Mr. W. K. Fitch (South-Western). The monthly spoons, presented by "The Script," went to Mr. J. Dear, Mr. Gibson (with two certificates from the Miniature Rifle Association), Mr. Evans (with one certificate), Mr. J. V. Walters, Mr. Wells and Mr. A. R. C. Honiatt (one spoon, one certificate and two medals and a cheque presented by Mr. A. W. Harrison). Bowling: The Glaxo cup for an association bowls team was won by the Northern, represented by Messrs. Perrett, Rawlins, Grassick and W. B. Dow by Messrs. Perrett, Rawlins, Grassick and W. B. Dow (skip). Replicas were presented to each member. The pairs competition prizes, presented by "The Script," went to Messrs. Perrett and McRostie. The singles (president's prize) went to Mr. D. W. A. Desmond, representing West Ham. The runner-up prize, presented by Duncan, Flockhart & Co., was won by Mr. J. Milner (South-Eastern). Billiards: Shirtliff cup, Mr. R. Collings (Northern), Mr. H. R. Nightingale (runner-up), with a replica for 1927, to Mr. C. Happold (South-Eastern). The Malcolm cup, presented by Mr. G. A. Malcolm, for team snooker, was won by Ealing, the team being Messrs. Marns, Frame and Roberts. The singles was won by Mr. E. G. Harris, and the runner-up was Mr. G. A. Malcolm, Marns, Frame and Roberts. The singles was won by Mr. E. G. Harris, and the runner-up was Mr. G. A. Malcolm. *Tennis* (ladies): prize presented by H. Bronnley & Co., Ltd., was won by Mrs. W. E. Swanston and "The Script" prize for gentlemen's singles was won by Mr. H. Wright. *Golf:* The chief trophy is the Illingworth cup, presented by Messrs. Illingworth & Co., and won by Mr. F. G. Wells with the best bogey card of the season. The replica for 1927 was presented to Miss D. Parker. Six monthly spoons for best bogey cards: Miss Parker. E. monthly spoons for best bogey cards: Miss Parker, F. G. Wells (3), Mrs. Rae, Mrs. Parker, and one each special for holing in one to Mrs. Rae and Mr. W. E. Swanston. The replica for the Edmund White trophy at the B.P.C. meeting at Cheltenham was won by Mr. F. W. Burgess, of Ing at Cheltennam was won by Mr. F. W. Burgess, of Brighton, and the president promised to present it at the Brighton Association's dinner in January. The Victor Ludorum, the premier trophy of Vinolia Co., Ltd., awarded on all-round merit, went to Mrs. W. E. Swanston, the first occasion a lady has had the trophy as victrix. The 1927 replica was presented to Mr. W. E. Swanston as the victor for that year. In the London Chemists' Sports Club monthly competitions the winners were:—Golf: Ladies, Mrs. Swanston, Mrs. Deas (4), Mrs. Clark and Mrs. Jones. Gentlemen, Messrs. W. E. Swanston (2), Walker (2), Rae, Nightingale, Mountford, Carr Pryce, Clark and Coward. Putting: Mrs. Gibson, Mrs. Deas, Mrs. Jones (2), Miss Boyes and Mrs. Pryce. Quoits: Mr. D. P. Rae. By 9.30 the prizes were distributed and the recomplement for during which continued and the room cleared for dancing, which continued until mid-night, thus bringing to a close another successful year for Metropolitan sportsmen in pharmacy. Everyone agreed that the best thanks for the year's arduous secretarial work, as well as for the evening, should be given to Messrs. J. Hearle for the Script Club, and Mr. W. E. Swanston for the London Chemists' Sports Club.

Legal Reports

"The Benefit of the Doubt."—At Marylebone Police Court, London, on December 4, Charles W. Parry, messenger, and George Williams, messenger, were charged with maliciously breaking a plate-glass window at the shop of Mr. T. T. Nicholson, chemist and druggist, Hampstead Road. The value of the window appeared on the charge sheet as £8, but Mr. Nicholson said he estimated the value at £15. Parry said that as they were passing the shop he accidentally pushed Williams against the window. Williams confirmed this. The magistrate gave them the benefit of the doubt and discharged them, adding that the prosecutor had a civil remedy against them.

Patent Prolonged.—In the Chancery Division of the High Court, London, on December 3, Mr. Justice Tomlin heard an application by Mrs. Eleanor Baynton, "Elsinore," Stratford Road, Shirley, Warwick, for the prolongation of a patent for an improved machine for washing photographic prints. Mr. Corsellis, for the applicant, said she was the widow of the patentee, and the business was carried on in Birmingham. Her evidence was that during the war she often heard her husband regret that he could not execute orders because he was unable to get the washers manufactured. His lordship granted an extension for three years.

Salicylic Acid as an Adulterant.—At Derry Petty Sessions, recently, Sarah McLoughlin, Levenhale Street, was summoned for having sold raspberry cordial and ginger wine certified by the public analyst to contain salicylic acid. At a previous bearing there was a difference between the analytical report for the prosecution and that for the defendant, and the case had been adjourned to enable a sample to be sent to the Government analyst. His report now stated that the two samples submitted to him contained salicylic acid. Mr. Dickson, for the defendant, said one sample contained the acid to the extent of only 80 parts and the other 200 parts per million. The justices fined the defendant 10s., with £4 4s. costs.

Irregular Sale of Poison.—At Wrexham, recently, the Wrexham and District Farmers' Co-operative Trading Society, Charles Street, were charged with having sold Cooper's Sheep Dip, they not being duly licensed under the provisions of Section 2 of the Poisons and Pharmacy Act, 1908. Mr. Lawson Taylor prosecuted on behalf of the Wrexham Town Council, the licensing authority. Mr. R. C. Roberts representing the society, pleaded "Guilty." Formal evidence having been given, Mr. Roberts said it was a very trivial offence, and it was through sheer ignorance that the licence was not renewed. He pointed out that the licence only cost a shilling. In fining the defendants 5s., Mr. Charles Murless, who adjudicated in this case in place of the justices (who were members of the Town Council), said that in future the Town Council should send out notices warning the traders that their licences had expired. Mr. Taylor unsuccessfully applied for an analyst's fee.

Commercial Borax.—At Huddersfield Police Court, on November 28, Squire & Co. (Birmingham), Ltd., were summoned for having sold purified borax which contained 70 parts instead of 5 parts of arsenious oxide per 1,000,000. Mr. E. D. Spencer, prosecuting, said that the chief sanitary inspector purchased supplies of both kinds of borax for analysis. The commercial borax complied with the regulations, but the pure borax did not. Dr. Moore, the medical officer of health, in reply to Mr. Eaton Smith, for the defence, said that what could be described as a fatal dose of arsenic had never been determined accurately. Mr. Smith: To get a grain of arsenic you would have to consume 32½ oz. of borax?—Yes. Dr. Moore added that borax was sometimes used for prolonged periods. The action of arsenic was cumulative. Mr. Smith said that a mistake had been made in the shop by one of the assistants, who had put the commercial borax into a container which was used for purified borax. A fine of £5 was imposed.

New Companies

and Company News

P.C. means Private Company and R.O. Registered Office.

A. Myers, Ltd. (P.C.).—Capital £100. Objects: To carry on the business of cash chemists, stationers, picture dealers, photographers, opticians, etc. The first directors are A. Myers and Mrs. Estber Myers. R.O.: 47 Prospect Street, Hull.

Daniel Wylle & Co., Ltd. (P.C.).—Capital £127,250. Objects: To carry on the business of manufacturers of and dealers in chemicals, fertilisers and feeding stuffs, etc. The first directors are W. B. Cuthbertson, J. G. C. Wyllie, W. B. Cuthbertson, H. D. Buthhart, and P. C. Dickens. R.O.: 197 High Street, Ayr.

Conway Phillips, Ltd. (P.C.).—Capital £500. Objects: To carry on the business of sight-testing and manufacturing opticians, optologists, mathematical instrument makers, manufacturers of and dealers in anatomical, orthopædic and surgical appliances, chemists, druggists, etc. R.O.: 6 Parker Street, Liverpool.

Amoa Chemical Co., Ltd. (P.C.).—Capital £25,000. Objects: To adopt an agreement with R. Macpherson and W. E. Billinghame to acquire the business of the Amoa Chemical Co. and a licence to work, develop and turn to account certain patents and a pending patent, to acquire the trade-marks "Amoa," "Coldphalt" and "Mulphalt," and to manufacture and deal in emulsifying agents, soluble oils (mineral, animal and vegetable), sheep dip, etc. The permanent managing directors are R. Macpherson and W. E. Billinghame. R.O.: 46 Cannon Street, E.C.4.

Dunn Brothers' Successors, Ltd. (P.C.).—Capital £15,000. Objects: To acquire the business of chemical and mineral merchants and agents carried on by the executors of the late A. L. Dunn at Northern Assurance Buildings, Albert Square, Manchester, as "Dunn Brothers & Co.," and to adopt an agreement between Mrs. D. G. Dunn, H. Dunn, C. F. Brockbank and the Public Trustee (executors) of the one part and H. Unwin A. Waterhouse, A. J. B. Shickle, W. Owen and T. Mitchinson (on behalf of this company) of the other part. The first directors are: H. Unwin, A. J. B. Shickle, W. Owen, A. Waterhouse and T. Mitchinson. Solicitors: Wigglesworth & Son, Chancery Place, Booth Street, Manchester.

CORBYN, STACEY & Co., LTD.—Mr. F. T. Sharles, of Salisbury House, London Wall, E.C.2, ceased to act as receiver or manager on November 24, 1928.

Joseph Nathan & Co., Ltd., Proprietors of "Glaxo."—Cabled information indicates that the accounts for the year ended September 30, 1928, will show a net profit, subject to audit, of £60,866, compared with £55,474 last year. The report and accounts will be issued in March, when the annual general meeting will be held. The directors have declared the usual half-yearly dividend on the 7 per cent. preference shares, payable January 1, 1929, and will ask shareholders to confirm the declaration and immediate payment of a dividend for the year on the 8 per cent. cumulative preferred ordinary shares.

Bankruptcy Reports

Re Edward Odden Hambrook, 9 Stroud Street, Dover, Kent, chemist and druggist.—The public examination was held recently at the Guildhall, Canterbury, when a statement of affairs was submitted showing liabilities of £498 1s. 9d., against assets of £324, thus leaving a deficiency of £174. The debtor stated that he had been in business for forty years, and that he had made a livelihood until 1926, when he had to resort to moneylenders. He attributed his failure to the pulling down of over two hundred houses in the district and people consequently leaving the district, the closing of the railway station close by, and the alterations in the Continental services. He also said that keen competition from large business accounted for the trouble in the last two years. The examination was closed.

Re Sidney Herbert Travis (trading in co-partnership with another as S. H. Travis & Co.), 33 King's Road, St. Pancras, London, N.W., manufacturing chemist.— The following circular has been issued by the trustee, Mr. Parkin S. Booth, of the Association of Manufacturing Chemists: "I beg to inform you that so far as it has been ascertained, the liabilities due to creditors likely to prove in the estate amount to £9,728 2s. 6d. In addition, there are preferential claims amounting to £606 11s. 6d., included is £300 for income tax, but I am of the opinion this may be cancelled. With reference to the assets in this country, in respect of the stock in trade, in view of its nature, the amount that is likely to be realised is highly problematical, but the amount estimated to be realised for same by one of the debtors is £400. This debtor also estimates the book debts will realise £1,914 1s. 3d., but included in this amount is £1,907 14s. 9d., due from a firm who, on the other hand, claim to be creditors in the estate for over £3,000. One of the partners is a partner in a firm trading in the Belgian Congo, and in this connection you will appreciate the difficulty that will necessarily be encountered in endeavouring to realise any assets that this partner may be possessed of in the country referred to. I have been approached by a friend of the partner trading in the Belgian Congo who has offered to provide a composition of 5s. in the £, to the creditors of the partnership firm of S. H. Travis & Co., subject to such payment by him including the preferential claims, and all expenses in connection with the matter, not exceeding the sum of £1,500. As you will appreciate, in view of the amount of liabilities, so far ascertained the amount of £1,500 will not be sufficient to permit of this composition being paid unless creditors over £10 are prepared to reduce their claims to enable the proposed scheme to materialise. I have submitted the whole matter to the committee of inspection appointed to act with me, and they strongly recommend the creditors whose claims exceed £10 to reduce their claims to enable the payment of 5s. in the £ to be made, as from their knowledge of the estate and the position from a liability and asset point of view, they are confident nothing like 5s. in the £ is likely to be paid if the estate were realised in the ordinary way. I have gone very carefully into the figures, and it is necessary for creditors whose claims exceed the sum of £10 to agree to reduce their said claims by 613 per cent, to enable the proposed scheme to be carried through, but in the event of the £300 claim in respect of income tax not being payable, then it is only necessary for the creditors to reduce their claims by 44 per cent. The matter is urgent, and I shall therefore be glad to hear from you as to whether you are agreeable to reduce your claim, and if so, to receive from you the enclosed form duly completed. Subject to the creditors over £10 agreeing to reduce their said claims, it is my intention to circularise the general body of creditors with the proposed scheme which will be considered at a meeting convened to be held." The following are creditors:—Arnold, C. F., £30; Association of Manufacturing Chemists, Ltd., £31; Barclays Bank, Ltd., £117; Burgoyne, Burbidges & Co., Ltd., £77; Braby & Waller, £20; Fullers, Ltd., £23; Geddes, E. H., Ltd., £49; Griffin, J. J., & Sons, £23; Hill, H. R., £36; Keith, G. & G., £125; Landgrebe, Miss M., £51; Landgrebe, F., £648; Lincoln & Midland Counties Drug Co., Ltd., £14; Mason, J., £201; Pharmacie Central de Belgique Hal, £103; Parry, H. M., £132; Roger & Gallet, £64; Travis, F. G., £35; Travis, Vi, Mrs., £50; Tyrer, T., & Co., Ltd., £114; Tuke, W. C., £56; Vernon & Co., Ltd., £95. Partly-secured creditors: Wyall, Williams & Co., £194. The debtor again attended the London Bankruptcy Court on December 4 and was examined by a creditor, the body of creditors with the proposed scheme which will on December 4 and was examined by a creditor, the Official Receiver stating that he had no further questions to ask. His Honour concluded the examination of the debtor, S. H. Travis, having ordered that of R. W. Travis, who is at present in the Belgian Congo, to be adjourned generally, with liberty to that debtor to apply, on his return to this country, for it to be reinstated in the list.

Stock Exchange Prices

Stock	Exchange	Price	s		
£1 Shares unless other	wise stated	Dec. 30 1927	Oct. 30, 1928	Nov. 30	,
Allen & Hanburys, 7% Amalg. Dental Co., 8% Defor	rea os	s. d. 20 6 18 9 4 9	s. d. 21 0 21 9 5 9	8. d. 20 6 21 3 5 6 12 3 15 0 5 3	
Apollinaris and Johanni Ayrton, Saunders & Co Beechams Pills, Deferre Benger's Food, Ord Boake (A.), Roberts & Co		10 0 16 0 35 3 £6½	12 6 15 0 4 9 38 0 £7	15 0 5 3 37 6 £7}	
Boots Puro Drug, Ord. Boots Pure Drug, 7% "A Boots Cash Chemists (Se	" Prefd. Ord.	127 6 23 9	137 6 23 6	140 0 23 9	
"A" Pref. Borax Consold., Defd. C Bovril, 6% Pref. "Ord	ord	21 9 26 9 21 9 25 0	21 6 23 3 22 0 24 0	21 9 22 0 22 6 24 3	;
" Defd British Celanese, Ord. British Cyanides, Ord., British Drug Houses, T		44 6 90 0 3 10½ 16 9	41 6 52 6 4 9 23 9	40 0 31 3 5 6 23 9	
British Glues and Chem British Oil and Cake Mi British Oxygen, Ord.	icals, Ord , 8% Pref	16 9 4 3 13 6 30 0 29 6	5 0 18 9 31 6 33 9	5 0 18 9 30 9 33 9	
British Photo, Indus., 6 Bush (W. J.) & Co., 5% Cadbury Bros., 6% Pre Callard, Stewart & Wat	% Cum. Pref. % Pref. £5 f.	14 0 62 6 23 0 45 0	15 6 65 0	24 3 40 0 31 3 5 66 23 9 18 9 30 9 33 9 167 66 22 41 3	
Crosfield (Joseph) & So Dubarry Perfumery, O	ons, 6½% Pref. rd. 1s	20 0 10 0 21 3 \$168	22 3 41 3 21 3 9 0 20 9 \$189	21 3 8 6 20 6 \$192	
Evans Sons Lescher &	Webb, Ord. 6s. 8d. shares	5 3 5 7½	4 3 4 9	4 3	i }
Gossage (William), 6½% Grout & Co., Ord Heppells, 7% cum. part	Pref	12 0 19 0 52 6 15 0	12 6 21 0 32 6 17 6	21 3 30 0)
Hodders, Ord. 1s Idris & Co., "A" Ord. 1lford, Ltd., Ord 6% Pref.		1 03 20 0 35 0 19 6	22 6 48 9 19 6	21 3 47 6 19 9	
Intern. Sponge Import	d. 10s	25 0 32 0 9 9 10 0	26 14 39 3 14 6 10 0	39 C))
Kent (G. B.) & Sons, 5 Knight (John), 25% Pr Laporte (B.) & Co., Ltd. Lever Bros., Ltd., 7%	2% Prof	11 3 63 9 17 6 20 10	11 3 70 0 12 6	10 0 11 3 69 3 11 6 23 3 23 3 12 8	5
", ", 8%, 20% I Liebig's Ext. of Meat, 6 Mellin's Food, 6% Pref	Ord. £5	20 101 11 3 £16½ 13 0	23 0 12 6 £16½ 13 0	23 3 12 9 £17 13 9	
Mond Nickel Co., Ord. 7% (Nathan (Joseph) & Co.	10s. shares	162 6 26 0 15 3 8 0	128 9 26 0 16 6 7 6	155 (26 (16 9))
National Drug and Ch Canada, 6½% Pref. New Transvaal Chemica		6 0 18 6 22 6	7 3 20 6 23 6	6 3	5
"Sanitas." The Co., 9	% Prof.	39 0 33 9 22 6	43 9 34 0 27 0	42 6 33 9 26 3	3
Sanitas Trust, 10% par Schweppes, Ltd., Ord. ,,, Defd. Smith (Stephen) & Co.	, Ord. 5s	23 0 25 0 53 3 11 0	25 0 32 6 56 6 7 9	32 (37 (7 9)
Solidol Chem. Co., Ord Southall Bros. & Barcl Spratt's Patent, Ord.	ay, Ord 5% Pref.	81 6 18 6 50 0	96 3 18 6 62 6	97 19 60) 3)
Stevenson & Howell, 6 Taylors (Cash Chemist		19 0 7 9	20 0 20 9 6 7) 9 [돌
United Glass Bottle T Deb. Stk., £100 Venesta, Ltd., Ord 7% Pre	f	£95½ 11 6 16 3	£99 10 0 15 6		3
Veno Drug Co., 8% Pr Virol, Ltd., Ord	er	19 6 105 0 22 9 10 6	19 0 100 0 22 6 12 6	19 (95 (22 () 5
White (Timothy), 7½%, 1s. L. Wright, Layman & Um	Pretd. Ord. Defd. Ord	18 9	21 0 3 9 20 0	3 4	9 3 1½ 5

Photographic Dealers' Association

Extraordinary General Meeting

'An extraordinary general meeting of the members of the Photographic Dealers' Association was held at the pre-Photographic Dealers' Association was held at the premises of the Royal Photographic Society, Russell Square, London, W.C.1, on November 29. Mr. J. G. Chapman, M.B.E., president, occupied the chair and was supported by Messrs. F. J. Young, Ph.C. (vice-president), Wallace Heaton, Ph.C. (secretary), A. Oglesby (treasurer), and E. J. Andrews (general secretary). The attendance numbered nearly 100. Mr. Chapman expressed the gratification of the Council at the fact that at the delegates' meeting on the previous day there had at the delegates' meeting on the previous day there had been members present from Scotland and Ireland, while at this meeting there was a member from the Isle of Man. A report on the present position of the negotiations with the Photographic Manufacturers' Association was given by Mr. Wallace Heaton, who, after recalling the arrangement between the manufacturers and the dealers, said there had already been a preliminary meeting (C. & D., November 24, p. 632), but matters were held up for the moment until agreement was reached between the manufacturers and the wholesalers. He thought, however, that everything would be in work-He thought, however, that everything would be in working order by the middle of January. The meeting was then thrown open for questions. In response to a request for a résumé of the previous day's proceedings, Mr. Andrews stated that there had been three sessions and Andrews stated that there had been three sessions and the matters dealt with included:—(1) Negotiations with Manufacturers—(a) position to date, (b) national list of dealers, (c) contested accounts, (d) method of dealing with new applications for dealers' accounts, (e) subagents, (f) action to be taken against (i) illegalities by agents, (f) action to be taken against (i) illegalities by members, (ii) pirate dealers, (iii) manufacturers not prepared to assist in regulation of trade; (2) Council Representation—(a) numbers, (b) areas, (c) method of voting; (3) Revised Rules of the P.D.A.—(a) draft, (b) revised objects and membership; (4) Branch Work—(a) rules, (b) area to be covered by branches, (c) branch expense books, (d) branch stationery, (e) branch titles, (f) hints for discussions and work at branch meetings; (5) D. and P. Prices—(a) branch agreements, (b) free coupons, etc., (c) control of finishers and collecting stations, (d) admission of finishers to branch membership; (6) Membership Signs—(a) certificates, (b) window sticker, (c) P.D.A. wallet; (7) Finance—(a) P.D.A. accounts, (b) branch accounts; (8) Automatic Machines; (9) Co-operative Societies; (10) Woolworth's entry into the Trade. It had been decided by votes to recommend the Trade. It had been decided by votes to recommend a resolution that the charge for a four-exposure film be 6d. In response to further questions it was stated that the local association would be informed of a new application for an account, and in the case where there was no branch, information as to the applicant should be obtained from either a recognised local correspondent or the dealers in that area. Mr. Heaton stated that the manufacturers will not at the moment agree to preventing any present dealer from opening a branch. In the case of a new application, if the would-be dealer is in one of the five stipulated categories (see C. & D., 1927, II, 767), one-third of the votes of the joint council would be required before it could be granted, otherwise one-half. On this the manufacturers were agreed, but they would not consent to making the opening of a new account conditional upon the applicant taking up membership of the P.D.A.

SUB-AGENCIES

It was reported by Mr. Andrews that at the delegates' meeting a resolution requesting the Council "to press for the total abolition of sub-agents" had been passed without a dissentient. He pointed out that this might in some cases involve the creating of a full dealer where there was now a sub-agent. In response to a request as to whether the resolution applied to beauty spots, Mr. Young stated it was impossible to say what the eventual position would be. The feeling at the delegates' meeting was as expressed in the resolution, but the manufacturers regard the matter differently, particularly where there is no dealer. The matter would

probably end in a compromise. Mr. Oglesby said the executive committee, whose business was merely to outline the policy of the delegates who were to meet the manufacturers, had definitely instructed them to go all out for total abolition of the sub-agents.

LOCAL BRANCHES

A resolution came before the meeting that for electoral purposes England should be divided into six areas, Scotland should be one and Ireland one, thus adhering to the division employed by the Retail Pharmacists' Union. Two councillors would be elected from each area, so that every type of business should be represented. The defects in the scheme were referred to by one member, who suggested that in addition to branches there should be federations, as two men from a widely scattered district would not be in touch with the area as a whole. Another member proposed an amendment to the resolution that the districts be halved and that there should be one representative from each. Mr. Young pointed out that the more the area is divided the more dependent election becomes on the majority vote, and it would be possible for 49 per cent. of the members to be really unrepresented, but on the amendment being put to the meeting it was carried by a large majority.

OTHER MATTERS

The revised rules regarding objects and membership were next outlined by the general secretary. These would be submitted to members later. As regards membership signs, it was recommended that the P.D.A. issue a certificate (to remain the property of the Association) free of charge to all members, that window stickers should be available at a small charge, and that a stereo should be prepared for members to use in the printing of wallets if they so desire. A lively discussion ensued over price-cutting and discounts given by co-operative societies. It was pointed out by one member that the cutting of D. and P. prices by local finishers could be prevented by the members in that area by means of co-operation. The attention of the meeting was called to the fact that Pathescope, Ltd., have a clause in their hire-purchase agreement which makes the dealer responsible for debts, and it was suggested that the Council should endeavour to induce the company to bring the agreement into line with those of other manufacturers.

The Annual Dinner

In the evening the annual dinner was held at the Holborn Restaurant, W.C.1, Mr. Chapman again presiding. On this occasion the company numbered nearly 250, and represented all branches of the photographic industry, including Messrs. E. B. Cook (Johnson & Sons, Manufacturing Chemists, Ltd.), William F. Butcher, Charles Houghton, C. Z. Case (Kodak, Ltd.), Edgar W. Houghton, F. F. Renwick (president of the Royal Photographic Society), F. Midgley Illingworth, Isidor Josephs (Houghton-Butcher, Great Britain, Ltd.), A. J. Webb (May, Roberts & Co., Ltd.), F. W. Smith (Sangers), Edwin Thompson (Thompson & Capper, Ltd.), H. D. Gillham (Ensign Snapshot Service), F. J. Young, Wallace Heaton, A. J. Franklin and A. Finnis Attwell. The dinner was excellent, the toasts few, and the speeches commendably brief. Following the loyal toast, Mr. Gerald Bishop (chairman of the joint committee of manufacturers and dealers) proposed "The Photographic Dealers' Association and the Amateur Photo Finishing Section." He congratulated the Association on the great increase which had taken place in their numbers during the past twelve months, but, he pointed out, this brought added responsibility. As a manufacturer, he sincerely wished them well, but reminded his hearers that there is a saying in the East that the camel driver has his faults—and the camel has his. Though the Association now numbered over 6,000 members, he would like to see double that number, then they would be able to say they were representative of the dealers in the Kingdom, and if they were to carry on the work they hoped to do, they must achieve that desirable state. When they have got that number, what, he asked, were they going to do with it? The manufacturers will do their best to co-operate in the future, and their object should

be the wise governance of the photographic trade in the country. This, however, is not so simple as it sounds. country. This, however, is not so simple as it sounds. He (the speaker) has a good acquaintance with photographic business in Europe, and no country had completely succeeded in solving such problems, but English dealers would show them how to do it. It will require a lot of wisdom and statesmanship, which will have to come from each one individually, but he was confident they would succeed. What was wanted to solve the difficulties ahead was the loyal co-operation of all concerned and a broad outlook. He then related a couple cerned, and a broad outlook. He then related a couple of amusing "yarns," one involving an automatic machine, and the other he adroitly turned to suit the occasion, concluding his speech with a tribute to the president. Mr. Chapman, replying, said the dinner had been postponed from May. Since that date they had worked hard to increase the membership, but the effort was not yet over, as their endeavour was to gather in every dealer. They were grateful to the manufacturers, who had drawn attention to the P.D.A. whenever possible. Local associations had been formed, and their local knowledge would be of value. There were three distinct factors to be considered in the trade—the manufacturers the dealers and the propherom. facturers, the dealers and the purchasers. The closer the first two work together, the better it is for the purchaser, who should have confidence in the dealer and the goods he supplies. The burden of co-operation should be equally shared—though he hoped no one would suggest equally shared—though he hoped no one would suggest an Association of Purchasers. Photography plays a great part in the life of the nation; its popularity was increasing; and the needs of the public should only be supplied by those qualified to do so. In conclusion, he paid tribute to the work of Messrs. Wallace Heaton, F. J. Young, A. Oglesby, A. C. Brooks and the general secretary, Mr. E. J. Andrews, remarking that, though he (the speaker) did not know how much the last-named knew about photography when he first took up office, he certainly had learned a great deal about it during the past eighteen months. (Laughter.) "The Guests and Ladies" was given by Lieutenant-Colonel Mooreeighteen months. Ladies" was give Ladies" was given by Lieutenant-Colonel Moore-Brabazon, M.C., M.P. The response was made by His Grace the Duke of Sutherland, who congratulated the Association on its agreement with the manufacturers, by which they not only protected themselves, but also the public, the serving of whom with photographic goods required a trained mind. Mr. Chapman next said he had a pleasing duty to perform. They had all regretted the retirement from the treasurership, through ill-health, of Mr. J. E. Hodd, who had endeared himself to every member he came in contact with, and all hoped that, like the clock they were presenting to him he would like the clock they were presenting to him. he would "go on ticking" for many years to come. The speeches were interspersed with an excellent musical programme.

South African Medical Act

Dr. D. F. Malan, Minister of Public Health, inaugurated the new Medical and Pharmacy Council, at Victoria, on October 22, when new governing bodies for medical practitioners, dentists, nurses, chemists and druggists were formally inaugurated in terms of the Medical, Dental and Pharmacy Act of 1928. The members were welcomed in an eloquent speech by Dr. Malan, who was accompanied by Mrs. Malan, and Dr. J. A. Mitchell, secretary for Public Health.

Dr. Malan said he was in one sense a member of the profession, because, as Minister of Public Health, he was one of those who assisted at the birth of the Act. No measure, he continued, had ever had a more chequered career in the history of South African legislation, or had encountered more difficulties in its passage through Parliament. It was seven years after the Union before any attempt was made at consolidating the medical laws of South Africa, and from 1917 onwards the Bill, which had now become law, had figured on the order paper.

SUPPORTED BY ALL PARTIES

In spite of all this, the measure had reached the Statute Book with practically the unanimous support of all parties in Parliament.

Dr. Malan congratulated the profession and the country generally on the measure having at last reached the Statute

Book. He particularly welcomed the two lady members of the Medical Council.

Dealing with the delays in the passage of the reforms introduced by the Act, Dr. Malan said these had caused great inconvenience to the Government departments administering public health, as well as injustice to the profession, and had allowed a number of abuses to become so entrenched that it became difficult to eradicate them. But there were corresponding advantages. It enabled the Bill to be subjected to a close scrutiny by Parliament, and the professions affected and the public such as few legislative proposals ever receive. This resulted in the elimination of defects which might otherwise have escaped notice.

Indeed, the Act in its present form was so highly thought of that practically without amendment it would be applied to the mandated territory of South-West Africa by proclamation from January 1 next; while the Government and Parliament of Southern Rhodesia had taken it over with a few minor adjustments to meet local requirements, and conditions. (Applicate)

ment and Parliament of Southern Rhodesia had taken it over with a few minor adjustments to meet local requirements and conditions. (Applause.)

He regarded the new Act as an important step in the direction of true and more complete union. "To achieve true union," said the Minister, "it is not sufficient merely to readjust territorial boundaries, or to elaborate a constitution, but what is necessary is to educate the public mind to think in terms of the whole and not in terms of the particular parts. We must think nationally and not provincially. But if the public is to do that it must be assisted by the laws of the country. It is idle to have provincial laws in such an important matter as public health and the medical profession, and then expect the people to think nationally, because they are tied down by these laws to the provincial point of view. (Applause.) It is on that account that I regard this Act as a great forward step in the directon of a truer and more complete union."

CONSOLIDATING MEASURE

If he were asked for advice there was one thing he would say, and that was to bring their minds into harmony with the conception of the Act as a consolidating measure. It was true that in some respects it was an Act for the protection of certain professions and callings. But it did this primarily in the interests of the public generally. It was impossible to maintain the high standard of efficiency, of moral character and action required of the medical profession unless it was properly protected and had a governing body to exercise discipline. The Medical, Dental and Pharmacy Act could justly be regarded as the Magna Charta not only of the medical profession but of the public, for Parliament had thought fit to have the general public represented on the Council by two lay members.

He hoped, in conclusion, that they would look on the Act in that light and that they would be worthy of the great trust imposed on them, and assured them of his deep personal interest in their work. (Applause.)

Lieut.-Colonel W. T. Davies, of Capetown, warmly

Lieut.-Colonel W. T. Davies, of Capetown, warmly thanked the Minister for his encouraging address, and Mr. John Christie, M.L.A., M.P.S., on behalf of the pharmaceutical members, described the patience, tenacity and skill with which Dr. Malan had piloted the Bill through Parliament against heavy odds.

OFFICIALS ELECTED

Having acknowledged the compliment, the Minister withdrew, and the Council went into committee to discuss the regulations to be framed under the Act. Lieut.-Colonel W. T. Davies was unanimously elected president, and Lieut.-Colonel S. M. de Kock (O.F.S.), vice-president of the Medical Council. Mr. John Christie, M.L.A. (Johannesburg), was unanimously elected president, and Mr. M. W. Clancy (Capetown) vice-president, of the Pharmacy Board.

Intravenous injection.—In the course of a paper read before the Brighton Medico-Chirurgical Society recently. Mr. St. G. B. D. Gray said that the first intravenous injections of drugs were made in 1657, at the suggestion of Sir Christopher Wren, but intravenous therapy was impracticable till the invention of the Pravaz syringe in 1851.

Co-operating with Farmers

Abstract of a recent Address by Mr. Colin D. Ross, agricultural organiser for Devon, before the members of the Exeter and District Branch of the Pharmaceutical Society.

In urging closer co-operation between chemists and agriculturists, Mr. Ross said, as a general rule, the farmer did not appreciate the importance of disinfection. In regard to insect and fungoid pests, owing to the large amount of research and educational work which had been carried out in recent years, the farmer, and also the gardener, was able to recognise a much greater number of such pests which attacked crops and stock generally. When it was borne in mind that practically the whole of the remedies recommended for the treatment of such pests entailed the purchase of material from the chemist it would be readily appreciated that it was to the advantage of the chemist to have some knowledge of the pests to be treated, in order to ensure that the customer purchased the right material and used it in a proper manner. For instance, when dealing with insect pests, some know-ledge of the life history of the insect in question was essential in order to employ the correct control measures. Insect pests generally were roughly classed into: (1) Biting insects, such as all leaf-eating caterpillars which attacked fruit trees and bushes and the caterpillar of the Codlin moth, which caused grub in the core of the apple; and (2) sucking insects, examples being apple and plum aphis, woolly aphis or American blight, apple sucker, which attacked apple blossom, and mussel scale, which attacked young trees. The first group could easily whereas this method would have absolutely no effect on the other kind of insect, which obtained its food by piercing the epidermis of the host plant and sucking the vital juices. The method employed to control this type of pest was the use of a contact wash. Note should also be taken of the rapid development of the use of the various tar distillate preparations in orchards and plantations for the purpose of destroying insect pests during the egg stage in the dormant season. One point might be mentioned in this connection, and that was the use of a sticky trap to capture the egg-laying females of the winter moth, which itself could not fly, and had to crawl up the stem in order to lay its eggs on the young shoots of the trees. Poison baits were also useful against surface caterpillars, leather jackets, wood lice and slugs.

AMERICAN GOOSEBERRY MILDEW

This accounted for a good deal of damage to the gooseberry crop every year, and was a very serious pest. In the winter stage it was found in the form of brown velvety patches on young growths near the tops of the shoots, while in the white stage the mildew produced a vast number of minute spores. These spores were carried about in various ways, and if they fell on the opening buds or young fruit of a gooseberry bush they might begin to grow at once, warm and moist weather helping the mildew to spread very rapidly. If gooseberry mildew were to depend on the short-lived summer spores it could not exist through the winter; very soon, therefore, a second kind of spore began to form, known as the winter second kind of spore began to form, known as the winter or resting spore. The fungus was more difficult to check than an ordinary weed, which produced only one kind of seed, and the difficulty was increased by the character of the winter fruits inside which the spores were found. Each winter fruit consisted of a strong case, inside of which there were eight spores. The following recommendations of the Devon County Horticultural Superintendent, Mr. Manning, had given excellent results; in spring and summer, when the first signs of mildew appeared in the leaves or on the berries, the bushes should be sprayed thoroughly with a mixture of 2 lb. soft soap, 5 lb. washing soda and 25 gallons of water. During autumn all young wood showing signs of the winter stage of fungus should be removed and all prunings burnt, and during the winter the bushes should be sprayed with 1 lb. copper sulphate and 5 gallons of water. The addition of a "spreader" such as soft soap was advisable, an efficient spreader being half the battle.

Assisting Cider Makers

In a county like Devon, where a large amount of cider was manufactured by the farmer himself, either for home consumption or for local sale, it was essential that the chemist should realise the assistance he could give to small cider makers. The necessity for the cleanliness of the cask and the simple means that could be employed to keep the cask in a sweet condition should be known by both the farmer and the pharmacist. If bisulphite of lime at the rate of one-half pint to two gallons of water were placed in the empty cask and bunged down tight the cask would keep perfectly clean until required for use again. Under the Pure Cider Regulations, 1927, the use of all preservatives, such as salicylic acid and various anti-ferments, were expressly forbidden. Only one preservative was permitted, namely, sulphur dioxide, at the rate of 200 parts per 1,000,000. The best way of introducing sulphur dioxide into cider was by adding crystals of potassium metasulphite, at the rate of 21 oz. per hogshead, just after the first racking. The use of poisons on a farm was an exceedingly important matter, and one in connection with which the pharmacist was in a position to help immensely. Mr. Ross impressed upon his hearers the necessity of warning agriculturists of the dangers connected with the use of different kinds of poisons, and said that when packets of poison such as sheep dips were sent out, it was well to impress upon the customer the importance of careful handling and storage. Finally Mr. Ross reminded his hearers that leaflets dealing with several of the subjects which he had mentioned were issued by the Ministry of Agriculture, and he suggested that it would be very useful if copies of these leaflets were placed upon their shop counters for distribution to farmer customers. In conclusion, he pointed out that the County Agricultural Education Department was always pleased to give advice on any agricultural or horticultural problem, and he urged greater co-operation between the chemists and the specialists on the county staff; whose services were at their disposal.

American Essential Oils

The exports of essential oils (other than peppermint) from the United States during the first six months of 1928 decreased from 1,950,000 lb., valued at \$620,000, in 1927 to 1,770,000 lb., valued at \$628,000, for the six months' period in 1928. It will be noted that, while the amount exported decreased 180,000 lb., the value increased \$8,000. Included in the exports were 9,700 lb. of sweet orange oil, 50 cases of sweet orange oil, 8,000 lb. of lemon oil, and 13,000 lb. of almond oil. Separate statistics are not available for these oils, as all of them are grouped under the general classification of other essential oils. The value of imports for the first six months of 1928 was \$77,000 less than for the same period of 1927. The oils imported in increased amounts were citronella, lemongrass, lemon, orange, sandalwood, and otto of rose. Those imported in smaller quantities were cassia, cinnamon, geranium, bergamot and lavender. The following table gives the amount and value of essential oils imported into the United States for the six months ending June 1927 and 1928:—

Oil	19	27	1928		
Oil .	Lb.	Value	Lb.	Value	
Cassia and cinnamon Geranium Otto of rose Bergamot Citronella and lemon grass Lavender and spike lavender Lemon Orange Sandalwood All other essential and distilled oils	225,388 124,224 oz. 12,142 69,384 630,008 129,067 270,878 121,329 1,003 2,066,550	\$ 305,773 306,488 120,108 425,046 295,842 388,464 514,081 272,512 3,054 916,520	136,064 102,049 0z.15,940 66,831 759,635 107,596 377,710 128,279 5,140 1,601,201	\$ 151,865 300,543 153,782 338,955 302,637 306,967 747,573 401,925 13,498 752,495	
Total	\$	5,503,461	\$	5,032,496	

Trade Notes

Kor-oн cough cure is made by Kof-oh Co., Ltd., Everton, Liverpool.

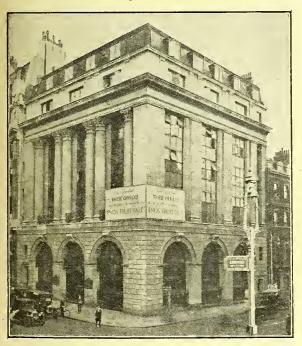
INNOXA PREPARATIONS.—Beauté, Ltd., 38 Old Bond Street, London, W.1, will send a price list and trade terms of Innoxa beauty preparations on receipt of a postcard request.

Tollet hydrogen peroxide.—Bayer Products, Ltd., 19 St. Dunstan's Hill, London, E.C.3, refer in the advertisement pages of this issue to Ortizon globules for the instant preparation of hydrogen peroxide.

CHRISTMAS OFFER.-Tokalon, Ltd., Great Portland Street, London, W.1, are making a special offer during December in connection with standard parcels of their goods. Full details will be found in the company's advertisement in this issue.

Plasmon, Ltd., 66a Farringdon Street, London, E.C.4, have prepared a striking "spectrum-coloured" showcard (12 in. by 8½ in.) for distribution to chemists. The company also offer to supply free of charge pocket calendars suitable for chemists to give away to their customers.

J. C. Eno, Ltd., inform us that all communications should be forwarded on and after December 10 to their new address: 160 Piccadilly, London, W.1. The building (reproduced in our illustration) has been greatly admired as a first-rate specimen of modern architecture;



and standing as it does at the corner of Piccadilly and Arlington Street, with the Ritz Hotel at the other corner formed by the two thoroughfares, it occupies an unusually choice position. The fact that this change of address has come in the diamond jubilee of Eno's "Fruit Salt" augurs well for the future of the business.

ALTERED TELEPHONE NUMBERS.—Oldfield. Pattinson & Co., manufacturing chemists. New Bridge Street, Manchester, ask us to draw the attention of C. & D. subscribers to the alteration of the firm's telephone numbers, which are being changed from City 984 and City 4038 to Blackfriars 4682 (two lines).

Dog DISTEMPER VACCINE.—It is announced that the Wellcome Foundation, Ltd., is engaged in converting into large-scale production the experimental laboratory processes for the production of the distemper vaccine which is the outcome of the work of the research committee to the "Field" Distemper Council and the Medical Research Council.

GAL TOILET SOAP.—Keen competition exists in this country among toilet-soap manufacturers. but we understand that Perfumeria Gal (London). Ltd., 76 Strand, London, W.C.2. are well satisfied with the progress which their product. here made in the close time of the control of th their product has made in the short time since it was introduced to the British public. Such success was in a measure to be anticipated, as the proprietors are well known as one of the leading Spanish manufacturers, in which country the soap has achieved an enviable reputation in even the most exclusive society. Publicity managers sometimes urge upon the public—or is it on their early friends the investment of tanks in advertising their confrères—the importance of truth in advertising, but, as is widely appreciated, this alone will not make a consistent seller if the manufacturer does not offer value for money and, generally speaking, presents the goods (particularly in the case of toilet articles) in an attractive manner. Some details of Gal soap will be found elsewhere in this issue and since analytic precision where where in this issue, and since quality, packing, price and advertising is such as to make a universal appeal, a prominent place in Christmas displays at once suggests itself. The soap and some striking show material may be obtained through the usual wholesale channels.

Trade-mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1928, p. 329.

(From "The Trade-marks Journal," November 14, 1928.) "QUINCARNIS"; for medicated wine and medicine (3). By Coleman & Co., Ltd., Lower Westwick Street, Norwich.

Coleman & Co.. Ltd.. Lower Westwick Street, Norwich 494,629. (Associated.)

"BIRLOIDS": for medicated pessaries (3). By T. Horton, 34 Victoria Street, Merthyr Tydfil, Glam. 495,420.

"PAPSOMAX": for medicinal chemicals (3). By S. B. Leonardi & Co., Inc., 27-29 Railroad Avenue, New Rochelle, New York, U.S.A. 495,508.

"OLPHENO": for all goods (3). By Stotherts, Ltd., North Road, Atherton, Lancashire. 495,926.

"PICTO-MATIK": for photographic apparatus (8). By Photomatik, Ltd., 14-15 Coleman Street, London, E.C.2. 495,332.

"ICENE": for face massage appliances (11). By Cooling Devices, Ltd., 45 Holborn Viaduct, London, E.C.1. 491,298.

Devices, Ltd., 45 Hotborn Viaduct, London, E.C.I.
491,298.

"KODONA': for all goods (39). By Kodak. Ltd., Kingsway, London, W.C.2. 495,548. (Associated.)

"STABAVITE": for food preservatives, etc. (42). By Stabavite Syndicate, Ltd., 41 Charing Cross Road, London,
W.C.2. 489,779.

"PERMADORE": for face powders (48). By Greville Products. Ltd., Granville Road, Cricklewood, London,
N.W.2. 491,081.

"BIXT FI. SUDAN" on device including conventional flowers

"BINT EL SUDAN" on device including conventional flowers

"BINT EL SUDAN" on device including conventional flowers and native woman (Flower devices disclaimed); for perfumery, etc. (48). By W. J. Bush & Co., Ltd., 28 Ash Grove. Hackney. London, E.8. 493,770. (Associated.)
"RADIANT DAWN AIDS TO BEAUTY" on circular device including sun and silhouette figures: for perfumery, etc. (48). By The Treasure House, 167 High Street, Scunthorpe, Lincolnshire, 494,335. (Associated.)
"PEARLIDENT": for all goods (48). By Pearlident Co., Ltd., 75 Main Street, Glasgow, C.5. 494,770. (Associated.)
"ROSSALEX": for perfumery, etc. (48). By The Chloride Electrical Storage Co., Ltd., Clifton Junction, near Manchester, 494,922.
"SPEDACIA": for perfumery, etc. (48). By Hartness, Ltd.,

" SPEDACIA

PEDACTA ": for perfumery, etc. (48). By Hartness, Ltd., 2 and 4 Victoria Road, Clacron-on-Sea. 494,975. (Asso-2 and ciated.)

"L'IMENE": for toilet articles (48). By W. H. Parkin, 51 Bristol Road, Birmingham. 495,115.
"MENNEN" over oval portrait of man: for perfumery. etc. (48). By The Mennen Co. 345 Central Avenue. Newark, New Jersey, U.S.A. 495,490. (Associated.)
"TINIOLAX": for dves for the hair (48). By P. W. Ducker, 376 Rue Saint Honore, Paris. 495,643.

Device resembling letter "R": for plasters (3) and for surgical instruments, etc. (11). By Radium-Gummiwerke mit Beschränkter Haftung, Grafenmuhlenweg 109, Koln-Dellbruck, Germany. 490.895/896. (Associated.) "STANFORM" on label design: for veterinary chemicals (2) and medicinal chemicals (3). By Whiffen & Sons. Ltd., 18-23 Lombard Road, Battersea. S.W.11. 495.429/430.

(Associated.)
"Lysover": for chemicals (2). By Solidol Chemical, Ltd.,
16 St. Helen's Place, London, E.C.3. 496.125.

Personalities

ME. S. C. FARRER, chemist and druggist, Ulverston, has been elected president of the local chamber of trade.

Mr. V. J. Woolls, chemist and druggist, Margate, recently addressed the local Rotary Club on "Pharmacy.

Mr. W. Harpham, chemist and druggist, Sleaford, has been elected a vice-president of the local tradesmen's association.

Mr. Percy Robinson, chemist and druggist (Robinson & Co., chemists), ex-Sheriff of Norwich, has been appointed a magistrate for the city.

Mr. E. J. Donson, chemist and druggist, Deal, has, owing to ill health, resigned his seat on the Corporation, of which body he has been a member since 1924.

COUNCILLOR ALBAN ATKIN, chemist and druggist, Hampstead, London, N.W.6, has been re-elected chairman of the cemetery committee of the Borough Council.

Births

Notices for insertion in this column must be properly authenticated.

Walmsley, M.P.S., Hollins Pharmacy, Hollinwood, Oldham, of a daughter.

Marriages

Brooks—Smithson.—At St. Hilda's Church, Whitby, on December 3, Percy M. Brooks, M.P.S., son of Mr. John Brooks, chemist and druggist, to Alice J. Smithson, York House, Whitby.

Deaths

SIMON.—At Bryn Deg, Hough Green, Chester, on November 21, Mr. John Simon, retired chemist and



Mr. John Simon

druggist, aged fifty-eight. Mr. Simon served a five years apprenticeship to the late Mr. James McIntosh, Huntly, and was afterwards an assistant with J. Robertson & Co., George Street, Edinburgh. He passed the Qualifying examination in 1891, and five years later acquired the business of Mr. John Mills, 4 Eastgate Row South and 6 Eastgate Street, Chester, whose as-sistant he had been. These pharmacies he carried on till about eight years ago, when he was succeeded by Mr. H. L. Gerry. The business was founded in 1825 by Edward Boden, and passed to Mr. Mills through the pro-

prietorship of Mr. Boden's son and Mr. J. D. Farrer. Mr. Simon was a member of the City Council, of the board of management of the Chester Royal Infirmary, and of the Chester Caledonian Society, and a freemason.

Bracewell.—At Thwaites, on November 26, Mr. John William Robinson Bracewell, chemist and druggist, aged forty-nine.

MANNERS.—At 169 Whitehall Road, Gateshead, on November 28, Mr. John Manners, M.P.S., aged seventy-three. Mr. Manners, who was for about nine years a member of the Gateshead Town Council, and for many years chairman of the local Pharmaceutical Committee, retired from business in High Street only five months ago. At the funeral, which took place on November 30, the local branch of the Pharmaceutical Society was represented by Mr. J. F. Simpson, Felling-on-Tyne. Pyman.—At 14 Promenade Central, Herne Bay, on November 23, Mr. Harold Pyman, chemist and druggist, aged fifty-two. Mr. Pyman was born at Stowupland, and was apprenticed to the late Mr. S. R. Anness, Ph.C., Westgate, Ipswich. After experience as assistant in Harrogate, Brighton and Oxford (where he was for nine years with Dolbear & Goodall), he joined his brother, Mr. Frank Pyman, chemist and druggist, at Herne Bay in 1902, and continued the business on his Herne Bay in 1902, and continued the business on his own account when his brother removed, a few years later, to Westgate-on-Sea. Mr. Pyman leaves a widow, a son and two daughters.

Turver.—At 71 Oak Road, Crumpsall, Manchester, on October 15, Minnie, very dearly loved wife of Mr. William Turver, chemist and druggist, formerly of Newark-on-Trent and Chester, aged sixty-one.



THE drug index for November is 135.8, being a fall of 1.2 from last month. This is due mostly to small changes in several drugs, that in ergot being a large contributing factor. In surgical dressings the fall is greater, being from 196.8 to 190.4, largely due to reductions in lint, wool, gauze and boric lint. The important changes involving alterations in the selling prices are as follows :-

Tollows .—								
	ost			Selling	Price			
			16 cz.	4 cz.	l oz.	l dr.		
d.	per		s. d.	s. d.	s. d.	s. d.		
46	lb.	Anthemidis flores exot	5 9	1 9	0 6	_		
78	lb.	Dec. sars. Jam co. conc.	_	3 0	0 10	-		
90	lb.	l to 7 Elixir aromaticum B.P.C.	_	3 4	1 0			
84	lb.	Elixir phosphori B.P.C.	_	3 0	0 11			
48	oz.	Ext. ergotæ B	l —	5	7 0	1 0		
54	oz.	Ext. ergotæ pulvis B	-	_	7 11	1 2		
90	lЬ.	Ext. ergotæ liquidum B	—	3 5	1 0	_		
14	lb.	Glycerinum	2 1	0 9	_	_		
14	lb.	Glycerinum (wgt.)	1 9	0 7		-		
15	oz.	Guaiacol (cryst.)	_	_	2 3	0 4		
8	gr.	Hyoscinæ hydrobrom. B	per	gr.	1 2 0 5			
36	lb.	Inf. caryophylli conc	—.	1 5	0 5	_		
72	lb.	Inf. ergotæ conc. B	_	2 7 5 2 2 7 3 2	0 9			
144	lb.	Lavandulæ flores Ang		5 2	1 6	_		
69	lb.	Lin. methyl salicylatis	_	2 7	0 9	-		
84	lb.	Lin. methyl salicylatis co.		3 2	0 11	-		
8	oz,	Ol. cajuputi			1 2	_		
24	oz.	Quinophan B.P.C		_	3 6	0 6		
36	lb.	Syr. mori	5 8	1 9				
81	lЬ.	Tr. ergotæ B	-	2 10	0 10			
50	lb.	Tr. ergotæ ætherea B		5 5	1 7	0 3		
84	lb.	Tr. ergotæ ammoniata B		3 0	0 10	-		
90	lb.	Ung. conii C	-	3 3	1 0	_		
60	lb.	Ung. hyd. co	7 6	2 2	0 8			

Information Department INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated

Menophene B/2411. Azo catarrh cure

G/42. Address of Kirk & M/212. Essbee setting lotion
Trentham, makers of Menophene T/2311. Lycatrix soap
R/312. Pharmacal brand zinc oxide

Observations and Reflections

Mr. Franklin

has again added to our obligations to him as a practical pharmacist by his solutions of everyday problems in pharmacy (C. & D., December 1, p. 673). His remarks about the colour of oxymel scillæ are much to the point, and it is interesting to note his definite assertion that increased depth of colour in the preparation is due to extended heating of the purified honey. In view of his further statement that prolonged heating of the honey ought to be avoided, I should like to see pharmacists drop their predilection for the dark-coloured oxymel and content themselves with the use of a light-coloured preparation such as would result if, for once, they made a batch for themselves in strict accordance with the B.P. directions. Other matters touched upon by Mr. Franklin were dealt with by him in an equally instructive manner, and his conclusions ought to be noted in connection with B.P. and B.P.C. revision.

Pharmacopæia Revision

may be expected to go ahead now that the first members of the Pharmacopæia Commission have been appointed (C. & D., December 1, p. 661). It is good to find that there are three pharmacists upon the new body, and that adequate provision appears to have been made for all the different subjects on which the guidance of experts is essential. Apparently, each of the seven members of the Commission is to preside over a working subcommittee dealing with one particular branch of the revision, and it will be possible to enlist the services of anyone who may be in a position to render useful help. This, I think, is a practical and therefore satisfactory way of linking up all willing workers. It may be suggested that names which do not appear in the list of commissioners might have been included with advantage, but we must hope that everyone whose opinion is worthy of consideration will be prepared to support the chosen seven in every possible way, and so assist in producing a better pharmacopæia than has yet seen the light.

Rating Assessments

are being increased in most parts of the country, and such increase naturally tends to higher charges for water, electricity, and anything else that is priced on a system based upon rateable value. This seems to be inevitable in the circumstances, and must be regarded as a defect in the system. One of your correspondents (C. d. D., December 1, p. 681) directs attention to overcharging for water supplied for business purposes; and he seems to make out a clear case for inquiry, as I should greatly doubt if a chemist can possibly use so much water in the course of his ordinary business as does the fishmonger and the butcher. The baker, again, actually sells much of the water he uses, and that at the price of bread; but he is charged much less than the chemist for his water supply, and that seems obviously unfair. This would appear to be a matter which might with advantage be taken into consideration by representative trade organisations.

You Comment

upon the Medical Benefit Consolidated Regulations (C. & D., December 1, p. 671), and it is gratifying to learn that the chemist's position does not appear to be prejudiced in any way by the changes which are being made. Presumably the reason why recognition is accorded for certain specified purposes to some national representative body is that there have been instances of Pharmaceutical Committees ceasing to function, and it is therefore desirable that the interests of panel chemists in the areas concerned should be protected in some other manner. It would, however, be a decided misfortune if Pharmaceutical Committees generally were superseded, and there is much to be said in favour of your view that the Committees of the larger areas ought to be adequately represented upon the national body to which recognition may be granted.

"When the Rudyards

cease from Kipling and the Haggards ride no more "was an old phrase irresistibly brought to mind by the head-line in one of our chief newspapers—"Kipling among the Doctors'—the morning after Mr. Kipling produced his Culpeper fantasy for the edification of his hosts. Perhaps it is possible to imagine the kind of reception it had. From one important scientific journal, not a medical one by-the-by, it seems that it cannot have been an altogether gratifying one, as the editor more than hints at some measure of disappointment. At a first reading one does wonder what he wished to convey to the profession; but a second reading leads me to think that there was nothing deeper than a seventeenth-century story whimsically framed to reiterate Shakespeare's apophthegm:—

"There are more things in heaven and earth, Horatio.
Than are dreamt of in your philosophy."

Perhaps others may find in it some more subtle significance. To me the most interesting feature about the address is the revelation it makes of Mr. Kipling's affection for Nicholas Culpeper. It is the fashion to regard Culpeper as a quack and to rate him as but little, if any, better than the charlatans who swindled the credulous valgar by so-called astrological fortune telling. Mr Kipling, with quite considerable emphasis, challenges this view of his hero by introducing him as "an astrologer-physician."

This is not the first Time

that Mr. Kipling has made use of Culpeper for the same purpose and in much the same way. His ingenuity in making the "astrologer-physician" a vehicle for combining the teachings of 300 years ago with modern medical research is striking, and is possibly salutary. On a previous occasion he did the same thing and produced a story which will recur at once to the recollection of readers of his "Rewards and Fairies," in which it finds a place as "A Doctor of Medicine," together with an antecedent poem, "An Astrologer's Song," and a succeeding one, "Our Fathers of Old." In this tale, as in the address, Culpeper is represented as being associated with the plague, about which he talks to the children in so convincing a manner as to its origin and cure, astrologically conceived, and introduces the agency of the rats so shrewdly that we are impressed by the penetrating wisdom of the seer and the almost uncanny knowledge of his modern interpreter. It has been suggested that literary men are more sympathetically inclined to the quack doctor than to the regular practitioner; and there is some justification for the notion if we may draw inferences from general literature as well as from recent experiences. Literary men would not be such unless they were attracted by the romantic and the adventurous. The quack always appears in that light.

There was very Little

That he was a rebel in respect of his attitude towards the College of Physicians was an expression of independence of spirit and of gracelessness—a highly reprehensible attribute; but he was a well-informed man, of good birth, a busy and successful practitioner, and an industrious writer. Your readers are familiar with the few facts known concerning his life. What is interesting at the moment is the way in which literary folk react to his biography and works. Writing thirty years ago, a well-known man of letters—not so famous as Mr. Kipling—wrote that if Nicholas Culpeper lived in these times "he would probably have been a fashionable physician, with a tendency to dabble in hypnotism and other mysterious byways of physical science, looked upon askance by the majority of his profession, and treated contemptuously by the medical papers. He would have given largely to charities, and done a great deal of good besides in unostentatious ways. He would have become more and more conventional in his practice as years went by, and would at last have died comfortably at a good old age. His biography would have been published along with a selection of his letters, and he would never have been heard of again."

PATENTS AND TRADE MARKS.

There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Reteil and Wholesaie Drug Trade can avoid by consulting efficient agents who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance iree. Pamphlets gratis.

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Editorial Articles

Next Year's Diary

During the present week The Chemist and Druggist Diary, 1929, has been received from the binders and is steadily being dispatched, subscribers abroad having their copies sent first in rotation for obvious reasons. This issue marks the sixty-first year of publication of the Diary, and the year to which it relates is the seventieth in the history of The Chemist and Druggist itself. A year ago we briefly reviewed the history of the Diary and the Calendars which preceded it : we need not now refer to what was then written except by way of pointing out that the Diary has always been, even in its pioneer days, a handy work of reference, particularly in what is now officially called forensic pharmacy. The laws covering the sale of poisons in this country become ever more complex as the spiders of Whitehall enlarge their closely woven Regulations; and thus it comes about that one of the first objects of our care in planning and compiling material is to offer the pharmacist in business protection against annoyances which would otherwise find him vulnerable. The "Legal Compendium," the longest section of the literary matter of the new Diary, is a treatise providing a wealth of information on increasingly important and difficult phases of pharmaceutical practice. This treatise, the only one of its kind in print, is a conspectus of enactments which affect retail and wholesale chemists. Although it is not reasonable to suppose that examination candidates will be required to delve into the intricacies of regulations affecting the calling, knowledge acquired during apprenticeship and in student days will have to be elaborated and enlarged when the qualified man or woman gets into business. The main difficulty which has confronted the student has been the absence of a book dealing adequately with the subject in plain language. Forensic pharmacy as an examination subject will appear in the examination of the Pharmaceutical Society in October 1929, and will include portions of several enactments. Candidates in the past have not all been "shining lights" as far as poisons and pharmacy law has been concerned, but the information given in the Diary cannot fail to be of service. Superfluous matter has been cut out, and references are given, where necessary, to more detailed information. Information is given chiefly under the following heads: Poison and Pharmacy Acts (Great Britain, Northern Ireland and the Irish Free State), Dangerous Drugs Acts, Medicine Stamp Acts, Merchandise Marks Act, 1926, National Health Insurance, Law of Shopkeeping, Spirit Laws and Regulations. The article "The Law in Regard to Sale and Use of Preservatives," by Mr. R. Lambert Parry, LL.B., is a monograph which incorporates a number of additional and modifying orders and regulations published by the Ministry of Health. This subject was dealt with by the same writer in *The Chemist and Druggist Diary* for 1927; the latest alterations and modifications of importance to traders are now given, and methods of determination of benzoic acid and sulphur dioxide which are recommended by the Ministry are described. The section devoted to "Known, Admitted and Approved" remedies maintains its usefulness. It is

followed by "Peison Antidotes and the Treatment of Poisoning," a knowledge of which should be in the possession of all pharmacists in business. Other well-known features of the coloured pages are the lists of drug-trade organisations, public offices and associations and Metropolitan medical institutions, as well as information on excise duties. The concluding pages are a guide to procedure in respect of patents, designs and trade marks. As the Diary went to press a few weeks ago, we give here, for the convenience of subscribers, alterations in personnel which have taken place:—

Eastbourne Pharmacists' Association (1898). Pres., H. C., Browne; Sec., D. Marchant, 1 Rockingham Place, Old Town, Eastbourne.

West London Hospital, Hammersmith Road, W.6. Pharmacist, Mr. W. A. Savill; Dispensers, Mr. C. W. Greenway, Miss L. Mitchell, Miss E. F. Greene, Mr. Goo. Reed.

One of the principal features, the advertisements, is as ecomprehensive as in previous issues, and chemists will find "The Buyers' Guide" and "The Trade Directory" a help in locating sources of supply. This classified list of products marketed, with its alphabetical index to advertisers, covers more ground than any similar list. Handy reference has always been the keynote of the Diary, and subscribers will find, we trust, that its pages are again up to standard.

The Situation in Oilseeds and Oils

THE volume of our trade in oilseeds and other kinds of oil-bearing products has been fairly well sustained during the past three months, although incoming supplies during October in most cases indicated a considerable shrinkage compared with the same month last year. This is clearly shown by the Board of Trade returns given below, which were a long way short of the monthly average for the ten months. The aggregate for the ten months, however, shows a substantial increase against the corresponding figures for last year, the greater part of which is due to the growth of activity in soya beans and ground nuts, despite the more competitive part played by manufacturers on the Continent, including Scandinavia. With the exception of linseed and linseed oil, subdued markets have prevailed for some months past, the trend of values having fluctuated downwards under obscure trade conditions, with crushing mills adhering to a conservative policy in providing for their requirements. Over the summer months and the early autumn there was at no time any feeling of confidence, due to the lack of redeeming features in our heavy industries in the North and other important industrial branches. Consequently, with a mere hand-to-mouth demand for seed oils, crushers were somewhat handicapped in their operations, particularly in the case of linseed oil, on account of the steady advance in the cost of the seed, the supply of which became temporarily curtailed to abnormally reduced dimensions at least for the balance of the year. With but little Indian seed coming forward, even at an inflated figure, up to about £19 7s. 6d. per ton, there has been a keen demand for near-at-hand River Plate seed, for which a premium of over 30s. a ton was secured lately, to over £17, compared with early shipment of new crop at around £15 10s. On this basis there have been freer offers lately, although there is a prospect of an increased demand from the United States in the near future, due to shortcomings this season in the North American crops. The deficit in the yield of the latter is more important than had been anticipated, being estimated at roughly 200,000 tons compared with the previous season, but the new Argentine crop, the harvesting of which has now begun, promises to be heavy and may even well exceed last year's unprecedentedly high record. European absorbing capacity this year has been at an

enhanced rate and will probably be sustained, if not increased further, in the coming year, so that with larger purchases looked for from America, the market may be expected to show some resistance on the current basis of about £15 10s. a ton for new Argentine seed, even assuming that the sowings for the next Indian crop are fully maintained. The marked stringency still experienced in early delivery of linseed oil became accentuated recently by covering operations partly on Continental account, which caused the spot price naked ex mill to be forced to upwards of £31 or close on to the extreme figure of £32 reached last spring. As soon as new Argentine seed becomes available next month an adjustment of the price is to be expected. This will help to stimulate trade demand, which should place crushers in a more satisfactory position, as this is the time of year when the outlet for oilcake usually revives, a factor to which no little importance is attached, as to the prospective demand for both linseed and cottonseed. The U.K. import returns of the chief oilseeds and other oil-bearing products covering ten months with comparisons for last year were as follows :-

U.K. imports (tons)	October, 1927	October, 1928	JanOct., 1927	JanOct.,	Increase or decrease
Linseed Cotton seed Soya beans Castor seed Rape seed Ground nuts Copra	21,605 37,324 23,927 1,932 162 3,174 4,735	23,378 30,441 7,388 2,642 1,250 372 4,389	312,541 445,008 66,972 27,974 5,340 45,971 48,712	307,466 458,354 175,547 29,398 31,320 114,275 43,000	- 5.075 + 13,346 +108,575 + 1,424 + 25,980 + 68,304 - 5,712
Palm ker- nels	18,281	16,642	151,738	138,190	- 13,548
Total	111,140	86,502	1,104,256	1,297,550	Net increase 193,294

The total receipts of linseed in the U.K.; it will be seen, are not much short of last year, but those of cottonseed indicate an excess of 13,346 tons. Out of the total of 458,354 tons, no less than 170,000 tons came from India, or 113,000 tons more than for January-October 1927, so that the serious shortage in the Egyptian contribution due to last year's poor crop was more than made up. The new Egyptian crop movement, however, has developed on a liberal scale within the last few months. This has lately eased the price of black Egyptian seed from about £10 5s. to £10 a ton, and of the oil made of the new seed to about £30 10s. in London, compared with £32 in August last, while the market has probably been influenced somewhat by the weaker position across the Atlantic. In contrast to this, a much firmer tendency has been noted in soya-bean oil in sympathy with stronger conditions in the Far Eastern markets and on the decidedly relaxed selling competition from that quarter in the British markets where crushers' operations, in spite of greater Continental activity, have considerably increased, as shown by the increase in the U.K. receipts of soya beans of over 108,000 tons. There has been more life in rapeseed and ground nuts, but our trade in copra and palm kernels is still disappointing.

Agricultural Business

The remarks of Mr. Colin D. Ross, agricultural organiser for Devon (p. 696), regarding the interdependence of the chemist and the agriculturist are opportune, but it would take a series of lectures to deal with the subject in a comprehensive manner, while the chemists would require an "out-size" in note-books if they desired to record even a moderate amount of information such as is necessary in a business of this nature. It has always been part of our policy to help chemists situated in agricultural districts, consequently so far as C. & D. subscribers are concerned there is no need for such an intensive course of training. In The Chemist and Druggist Diary, 1928, there was an article on "Fungicides and Insecticides" which not only dealt in detail with most of the

matters outlined by Mr. Ross, but was devoid of superfluous information, having been specially written for chemists, indeed, much of the information then appeared in print for the first time. There is, of course, no need for articles of this description each year (the previous one was in the C. & D. Diary, 1910), but the latest advances of a practical nature are published from time to time in the C. & D., particularly in the agricultural numbers (see C. & D., March 51). Specialisation and co-operation are such important factors in the successful conduct of agricultural business that they can be overlooked neither by distributor nor manufacturer. It is a short-sighted policy on the latter's part if he does not take advantage of the technical knowledge of the former, as the chemist is the only qualified person to act as intermediary between the maker and the user of chemical preparations. Though perhaps not to so great an extent as in farming districts, there is plenty of scope for business of this nature for chemists in suburban areas, since the number of people who garden in these days is probably greater than at any time in history—not forgetting the war-time allotments—and for this class of trade an excellent beginning can be made with lawn sand and artificial manures, both of which will be in good demand shortly.

Westminster Wisdom

Notes on Parliamentary Matters.

BRITISH WINES

The Chancellor of the Exchequer (Mr. Churchill) informed Mr. Gates on November 28 that the average yield of the excise duty on British wines for the year ended March 31 last, at 1s. per gallon, was £11,863, and the average for the five months from June 1 to October 31 last (payments in May having been partly at the old rate of duty) was £11,614. The average monthly receipts from June to October 1927 were £9,048.

NEW SPANISH TARIFF

The President of the Board of Trade (Sir P. Cunliffe-Lister), replying to Commander Bellairs on November 30, stated that he was informed that the new Spanish tariff will not come into force before 1930. After December 31 next, Spain will, however, no longer be bound by any treaties with foreign countries to accord the reduced rates of duty prescribed in those treaties, and he was having inquiry made as to whether or not these rates will be maintained.

INDIAN OPIUM

The Home Secretary (Sir W. Joynson-Hicks), in replying on November 29 to questions put by Mr. Wellock, stated that during the past four years, both raw opium and crude morphine have been imported into this country from India for the purpose of mannfacturing drugs. They have taken the place to a considerable extent of opium imported from other countries. The amount of opium required for medical and scientific purposes, whether for use in this country or for export, necessarily fluctuates to some extent from year to year, but the trade is very carefully supervised, and, in fact, there has been a progressive decrease in the amounts imported in recent years.

Indian Monazite.—An interesting article on the rare earths, by the late Mr. Edmund White, appeared in the trade supplement of "The Times" on November 24. The value of Monazite sand is given prominence and views of the works at Travancore form illustrations.

CYPRIAN CITRUS PRODUCTS.—A few tons of citrate of lime were again prepared at Karavas, in the Kyrenia district of Cyprus, and realised as much as £72 per ton on the British market. It is considered that this should in the iuture become an important industry in the island, as the lemons, which are plentiful, contain quite as high a proportion of citric acid as those of Sicily. Lemon oil, extracted during the process of manufacturing citrate of lime was exported to England, and fetched satisfactory prices—on the London market.—"The Chamber of Commerce Journal."

The New Bank Notes

By a Bank Chief Cashier

Ir will be generally admitted, I think, that the British public as a whole have been pleasantly excited over the new issue of notes by the Bank of England. Not in the memory of living man have the Bank issued notes of a lower denomination than £5. Yet this is not the first occasion on which they have done so. Inst over a hundred years ago the country passed through a time of great financial stringency. The period was that between the years 1797 and 1821, and it was during these years of panic and crisis that the Bank issned £1 notes for the first time in their history. In two years of this epoch no fewer than 165 of our country banks closed their doors. In 1826 an Act was passed giving the Bank of England the monopoly of issuing notes of a lower denomination than £5, but they exercised their privilege for only about three years. One-pound notes, after this, were urknown in England, apart from the Scotch and Irish notes that filtered into the country occasionally. until the war came. Then, when gold began to leave onr shores for America, the Treasury issued the small black £1 and the equally small red 10s, notes to supplement the currency. This issue did not last long, however, and was followed by notes of a larger size, as most people will be able to recall. These latter notes were easily counterfeited by photography, and they also gave way for the first issue of "Bradburys," which in their turn were snperseded by two issues of "Fishers." As is well known, for the past year or two very clever forgeries of notes of this last issue have been in circulation, and a great many tradespeople have been victimised. Excellent as these counterfeit notes undoubtedly were, they were always capable of detection when held up to the light: the forgers, clever though they were, could never imitate the watermark of the genuine paper.

NEW NOTES FAVOURABLY RECEIVED

This issue of new notes was, therefore, long overdue. The delay in making it has been partly cansed by the Bank of England taking over from the Treasury the responsibility of the new issue, and a special Act of Parliament has been passed for the purpose. It is understood that the Bank will make no profit for itself out of this prerogative. As will have been noticed by the papers, many adverse comments have been passed upon the new notes, but I think it may be confidently stated that the other banks in the country as a whole regard them very favourably. With them the chief point of interest is not so much the beauty and design of the notes as the fact that the striking watermark of Britannia in the blank central space at the bottom of the note, together with those parts of the notes that are embossed, will offer nearly insuperable difficulties for the forgers. A blind man should be able to tell by tonch alone whether a note is gennine or not.

Only abont a century ago it was a very risky business indeed to counterfeit either notes or coins; it was a crime that was treated as an offence against the King's person, and the punishment was death. In the year 1824 thirteen men were sentenced to death at one trial on a charge of forging Bank notes. They escaped this penalty, however, when it was found that a certain highly-placed bank official, npon whose evidence the men had been found guilty, had himself been deceived by some of the notes that were said to be forgeries but were proved to be gennine. This so shook the worth of his testimony that the extreme penalty was commufed to one of imprisonment for life. The new Act regulating this present issue prohibits their being disfigured by rubber stamps for advertisement purposes under a penalty of £1 for each offence. The genial ass we have all heard about, who used to stamp all the Treasury notes that came into his possession with the legend. "God send you back to me!" will now have to exercise his humour in some new way, or pay rather heavily for it. Even banks are forbidden to impress the new notes with their stamps. "When will gold return?" I am often asked. Not in the near future, I am airaid. As someone cynically observed the other day, "We dig gold from the ground in South Africa only to bury it again in the vaults of American banks."

Pharmaceutical Society of Great Britain

Council Meeting

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C.1, on December 5, Mr. Herbert Skinner (president) in the chair. There was a full attendance of members.

THE KING'S ILLNESS

The PRESIDENT, before the ordinary business of the meeting commenced, made appropriate reference to the illness of the King, saying it would be the deepest wish of all present that his Majesty might be speedily restored to be the ordinary beautiful. to health. (Hear, hear.)

The Council unanimously agreed to send to the King and the Royal Family a message of loyal sympathy.

ELECTIONS AND RESTORATIONS

Four persons were elected members of the Society and one person as a student-associate. Three persons were restored to the register, and a number of persons to the Society. The registrar reported that one hundred and one persons had been registered as apprentices or students.

RECIPROCITY WITH NORTHERN IRELAND

The President moved the following resolution :-

"That the agreement for the reciprocal recognition of certain qualifications of the Pharmaceutical Society of Northern Ireland be approved and that the corporate seal of the Society be affixed thereto."

In moving the resolution, he said the Council had already discussed the matter at length. It was very gratifying to be able to come to an arrangement with Northern Ireland, and he felt that the arrangement would not only be of great benefit to both societies, but would tend towards unifying pharmacy throughout the British Empire. (Hear, hear.)

The Vice-President, seconding, said he would like to express the indebtedness of the Council to the president for the manner in which he had carried out the negotiation of the manner in what the president had done during tions. It was what the president had done during his visit to Northern Ireland that had brought about the present happy position. The Council were also indebted to their Irish friends.

Mr. Rowsell associated himself with the vice-president's tribute to the president for the able manner in which he had conducted the negotiations.

The President, in reply, stated that the text of the agreement would be published as soon as it was completed.

The resolution was carried unanimously.

EXAMINATION SUPERINTENDENTS

The following were appointed superintendent and deputy superintendents of written examinations for the ensuing year :-

DeputyLondon ... Superintendent Superintendents
Miss E. J. Mowat
Edinburgh ... Mr. James Nesbit Mr. Donald McEwan

DIVISIONAL SECRETARIES FOR SCOTLAND

The Secretary, in submitting a list of divisional secretaries for Scotland, mentioned that a good many changes had been made. The list was approved.

CONDITIONAL ERASURES AUTHORISED

The Secretary asked the Council's authority to erase from the register the names of seventy-eight persons unless they were heard from before December 31.

Mr. HUMPHREY urged that in future no member of the Society should be allowed to give 17 Bloomsbury Square as his address.

THE LATE MR. EDMUND WHITE

A letter was read from Mrs. White acknowledging, on behalf of herself and her family, the letter of sympathy sent by the Council on the occasion of the death of Mr. Edmund White.

A letter was sent by the president and secretary of the Fédération Internationale Pharmaceutique, The Hague, expressing their regret at the death of Mr. White and

paying a tribute to his public work.

The President said it was gratifying to have Mr.
White recognised as he deserved to be recognised by the International Federation. (Hear, hear.)

EDUCATION COMMITTEE

The report of the Education Committee showed that certain schools had been approved for the teaching of chemistry and physics and one for botany and chemistry. With regard to University College, Nottingham, the Committee stated that the College had applied for formal recognition of its Preliminary Scientific and Chemist and Druggist courses under the changed conditions. The part-time Preliminary Scientific courses were to be held in the old buildings. Approval for the Ph.C. course in the new-buildings had already been given. The Com-mittee granted recognition for the Preliminary Scientific examination, and in regard to the Chemist and Druggist examination recommended that the approval of the College for giving instruction for the examination be continued. The report was adopted.

BENEVOLENT FUND COMMITTEE

The report of the committee showed that nine applications had been received and grants made ranging from £26 to £30. The report was adopted. The following special contributions were announced :-

special contributions were announced:—
A. Wander, Ltd., £100; H. Hague, £100; Ealing and District Association, £9 9s.; Southend-on-Sea Association, £6 16s.; South-East London Chemists' Association, £5 5s.; Professor H. G. Greenish, £5 5s.; Anonymous, £5 5s.; Northampton Chemists' Association, £5 5s.; J. E. Monaghan, £2 10s.; H. R. Lowther, £1 10s.; Southend-on-Sea Association, £1 8s. 8d.; G. B. Harkness, £1 0s. 10d.; Alsop & Quiller, 19s. 4d.

Mr. Simmons suggested that a special letter of thanks

Mr. Simmons suggested that a special letter of thanks should be sent to A. Wander, Ltd., and Mr. H. Hague for their munificent donations to the Fund.

WAR AUXILIARY BENEVOLENT FUND

This Committee reported that during the month five applications had been received and grants made of £10, £26, £30. They also recommended one grant of £78. The report was adopted.

JOINT SCHOOL COMMITTEE

This Committee reported that they had considered a report by the (London) Academic Board on teaching hours, spare time work and vacations of the demonstrators. They recommended that the teaching hours, nature of spare time work and vacations of each demonstrator be decided by the head of department under whom the demonstrator is working, or, in the case of a new appointment, will work, and formulated certain rules. The report was adopted.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £18 19s. 7d., amounted to £6,056 3s. 1d., comprising the following items:—Subscriptions, £24 3s.; examination fees, £216 6s.; registration fees, £207 18s.; restoration fees, £3 3s.; Pharmacological Laboratories, £168; penalties, £79; "Pharmaceutical Journal," advertisements, etc., £1,328 16s. 5d.; Quarterly Journal, £9 5s.; "Pharmaceutical Press publications, £26 9s. 10d.; Registers, £2 2s. 9d.; B.P. Codex, £84 4s. 1d.; interest on investments, £724 16s. 8d.: School of Pharmacy, £89 17s.; wage deductions for F.S.S.U., £11 12s. 5d.; transferred from deposit account, £3,050; sundries, £2 0s. 3d. Payments ordered at the last meeting amounted to £6,051 5s., leaving a balance of £4 18s. 1d. The balances on the other accounts were:—Benevolent Fund (current account), other accounts were :-Benevolent Fund (current account), \$247 12s. 1d.; Benevolent Fund (donation account), \$21 6s. 4d.; War Auxiliary Benevolent Fund, \$167 5s. 8d.; Orphan Fund, \$13 1s. 6d. The report recommended that accounts amounting to \$6,784 19s. 5d. be paid, and that the action of the secretary in making

payments amounting to £955 12s. 6d. be approved. The report was adopted.

ORGANISATION COMMITTEE

The report of this Committee showed that they had considered the following resolution of the Reigate, Redhill and District Branch remitted to them by the Council:—"That this Association requests the Council of the Pharmaceutical Society, when next amending the by-laws, to provide that at future elections only those nominations which are officially supported by a local branch of the Society shall be accepted." They recom-mended that when the by-laws were next amended the resolution be reconsidered.

The Committee had discussed the possibility of holding a conversazione in the Society's House on February 12, 1929, in place of the evening meeting, a paper for which would not be available. They made provisional arrange-

The President suggested, with regard to the proposed conversazione, that a small committee should be formed to assist in making arrangements. A similar function held before the war, he said, was a great success, and he would like that success to be repeated.

It was agreed that the committee consist of the president, the chairman of the Organisation Committee,

Messrs. Marns and Keall.

Mr. Peck congratulated the Committee on their preliminary arrangements, and suggested that invitations should be sent to the principals and staffs of schools throughout the country.

The Vice-President suggested that the function might

be held somewhere in the provinces.

Mr. KEALL said that for the moment it might well be left to the branches to arrange such functions for them-

selves.

The PRESIDENT also drew attention to the lecture on Ireland arranged for January 8, 1929, in the Society's House, pointing out its special interest in view of the Conference to be held in Dublin next June. The report was adopted.

This was all the public business.

Evening Meeting in Edinburgh

The opening evening meeting of the present session was held at 36 York Place, Edinburgh, on November 23, Mr. Harvey P. Arthur (chairman of the Executive of the North British Branch) presiding. There was a crowded attendance, and some were unable to gain admission.

The CHAIRMAN said he had great pleasure in giving a welcome to so large an audience. Since their last evening meeting there had passed away three members of the Society who had held high office—Mr. David Gilmour, Dunfermline, Sir Richard Atkinson Robinson, ex-chairman of the London County Council and a pastpresident of the Society, and Mr. Edmund White. After a fitting reference to the services of these distinguished pharmacists, the chairman explained that the Council had arranged that Ph.C. certificates should be presented by the chairman of the Executive at the inaugural sessional meeting of the North British Branch. The names of the successful candidates were :- Edward Arthur, Edith Eliza Jones, and Robert John Nairn, all of the Royal Technical College, Glasgow, and James Robertson Smith of the Technical College, Dundee. In presenting the certificates the chairman said Miss Jones was the first lady to take the new Ph.C. qualification and also the B.Sc. in pharmacy of the University of Glasgow. Mr. Arthur had also taken the B.Sc. degree of Glasgow. He had great pleasure in presenting the certificates.

Mr. Stephen, chairman of the Board of Examiners, said that all the students who had received these diplomas had made an excellent appearance at the

The CHAIRMAN, continuing, said at the first evening scientific meeting of the Society in Edinburgh, seventy-five years ago, Sir Robert Christison, Professor of Materia Medica and Therapeutics in the University of Edinburgh, had arranged to give the inaugural sessional address, but owing to indisposition he had to send a

letter of apology. At the second meeting Sir Robert Christison was present and read the first of several communications which he made to the evening meetings of the Society. Sir Thomas Fraser, who succeeded Sir Robert Christison, also showed his interest in the Society, and gave the inaugural sessional address in November, 1889. The late Professor Arthur R. Cushny, gave the inaugural sessional address in November 1919. The present occupant of the chair of materia medica and pharmacology, Professor A. J. Clark, had a world-wide reputation. He called on Professor Clark to address them on

The Medicinal Use of Vitamins

[Abstract]

VITAMINS may be defined as easily destroyed substances of which minute quantities must be supplied if normal growth is to occur, or even if normal health is to be preserved. Deficiency diseases, such as scurvy, beri-beri and rickets, have been known for centuries. Lind, in the eighteenth century, recognised scurvy as a deficiency disease, and found that it could be prevented by the use of lime juices. Captain Cook also knew the cause of scurvy, and was able to prevent its occurrence in the ships which he commanded. The existence of vitamins was first demonstrated by Sir Gowland Hopkins as recently as 1912. The existence of six different vitamins has now been established. These may be classified as follows :-

There are probably many other substances of this class which are not at present identified. There is, for example, "bios," a substance which appears to be essential for the growth of bacteria, and to bear some close relationship to B₁ and B₂. Concentrates of vitamin A can be obtained from liver oils, concentrates of vitamin B from yeast, and concentrates of vitamin C from orange juice. The intelligent medicinal use of vitamin concentrates is, however, beset by certain difficulties.

TESTING VITAMIN PREPARATIONS

The first problem is to determine the activity of vitamin preparations. An essential characteristic of vitamins is that they are readily destructible. In nature, most of them slowly oxidise when food is preserved, unless oxygen is excluded. In most cases they are readily destroyed by alkali in presence of oxygen, or by adsorbents (e.g., charcoal) in presence of oxygen. Hence their purification is extremely difficult. It is very easy to start with highly active raw material and finish with a purified but completely inert product. A statement that the product is made from highly active raw material only means that vitamins may be present in the final product, but it does not follow that they are actually there. Chemical tests are of limited value. Each biological test requires about one month's special feeding of the animals. Fortunately, the enterprise of the Pharmaceutical Society has established a laboratory in which these tests can be applied to commercial preparations. If the product as sold to the public has been shown to be active then the product is of value. If the product as sold to the public has not been submitted to proper tests, the presumption is that it is worthless.

Vitamin concentrates are of obvious value in acute deficiency disease. The rate at which these concentrates produce beneficial effects is astonishing. The need for their use as preventives of disease is a much more important question, and there are many points that are still subject of dispute. A "farmhouse diet" with a still subject of dispute. A "farmhouse diet" with a liberal supply of milk, green vegetables and fruit contains probably an ample supply of all vitamins. Unfortunately our diet is not of this character. Wholemeal bread contains vitamin B, but white bread is almost vitamin-free. Hence there is an obvious danger of deficiency of vitamin B in a population whose staple article of diet is white bread. The need for vitamin is not constant; it is much greatest in the periods of rapid not constant: it is much greatest in the periods of rapid growth, i.e., infancy. It is also high during pregnancy. There is every reason why dwellers in northern towns.

should suffer from vitamin D deficiency in winter. Recent evidence suggests that vitamin A is an important agent in resisting infection. It is therefore desirable that medicinal preparations containing vitamin D should also contain vitamin A. Investigations have shown that clinical disturbances can be produced by excess of vitamin D. This is not surprising. Reasonable care must be taken in administering vitamins. The margin of safety appears, however, to be greater than it is in the case of most drugs. Undoubtedly the best arrangement is for people to buy their vitamins from the greengrocer rather than from the pharmacist. At the same time, medicinal vitamin preparations will form a very valuable addition to therapeutics.

Vote of Thanks

Dr. CHALMERS WATSON, senior lecturer on clinical medicine and physician to the Edinburgh Royal Infirmary, moved the vote of thanks to Professor Clark. There was one point which Professor Clark had not mentioned, namely, that vitamins are synthesised only in vegetables. A vitamn occurs in cod-liver oil, but its origin is the marine algæ on which the fish fed.

Dr. Stewart MacDougall, in seconding the vote, said that as a teacher he would like to acknowledge the fact that in all the new developments about vitamins the investigators used such simple language. He would like to congratulate the Society on so soon calling upon the

services of Professor Clark.

The Chairman, in conveying the vote of thanks, which was passed with acclamation, said he had recently seen over the Society's Pharmacological Laboratories in London to which Professor Clark had referred. It was well that the members of the Society should acquaint themselves with the important work carried on in these laboratories.

Professor Clark, in replying, said he agreed with Dr. Chalmers Watson that the subject was one of intense interest. He would like to emphasise the fact that the Pharmaceutical Society had done a great public service in establishing the Pharmacological laboratories.

On the motion of the CHAIRMAN, a cordial vote of thanks was awarded to Mr. Hugh Skinner who had

charge of the lantern.

Mr. Guthrie, in moving a vote of thanks to the chairman, said they had listened to an interesting address which he, claiming to be only an ordinary person, had been able to follow with great interest and profit. The Council had not for a moment aimed at making these laboratories a source of revenue. It was true fees were paid for work done, but the maintenance of the laboratories still involved expenditure by the Society.

Branch Meetings

Aberdeen.—The Aberdeen and North-Eastern Scottish Branch held a meeting on November 28. Mr. W. F. Hay was in the chair. The chairman said that his attention had been directed to accusations made upon the subject of National Health Insurance dispensing against their craft, in the County Insurance Committee, by one of its members, which might have been passed over but for a further letter from the same member in the "Aberdeen Press and Journal." The statement was quite uncalled for in face of the fact that the Scottish Board of Health was carrying out an investigation into the whole matter. The pharmaceutical profession had always sought to maintain a high standard of integrity and purity in service to the public. Mr. A. M. Craig gave an address on National Health Insurance, with special reference to its pharmaceutical service. An animated discussion on the Dangerous Drugs (Consolidated) Regulations, 1928, regarding the use of heroin, followed, the speakers being Dr. Bryant, Provost W. Stewart Taylor (Inverurie), Mr. R. Alexander (Strichen), Mr. A. Weir (Kemnay), Mr. H. M. Dugan, Mr. Jas. Farquhar, Mr. M. C. Ross, Mr. C. Simpson, and Mr. M. K. Watt. It was unanimously approved that Aberdeen should be the meeting-place for the British Pharmaceutical Conference in 1932.

Croydon.—At a meeting, on November 16, under the chairmanship of Mr. F. S. Rose, Professor H. G. Greenish, Dean of the Society's School of Pharmacy, gave

an address, illustrated by lantern slides, on The History and Heraldry of the Coat of Arms of the Pharmaceutical Society of Great Britain. Through the courtesy of the secretary of the Society, Professor Greenish was able to exhibit the original coat of arms, and the beauty of the decorative work on the design was greatly admired. A vote of thanks was proposed by Mr. H. E. Chapman. Mr. D. P. Roberts was thanked for supplying the lantern.

East Metropolitan.—A meeting of the East Metropolitan Branch was held on November 14, Mr. S. Clifford Jones in the chair. Mr. J. Keall, member of the Council, gave an address on Present Activities of the Pharmaceutical Society. Mr. Keall dealt with the new consolidated Dangerous Drugs Act Regulations, the Pharmacological Laboratories, Benevolent Fund, Parliamentary Fund, the Publication Department Committee, and the Glyn-Jones memorial, making a special appeal to members to support the fund. A discussion followed in which Messrs. Maxey, Hodgson, Thomson, Potter, Rutter, Beardsley and Jones took part. Mr. Gray proposed a vote of thanks to Mr. Keall.

Exeter.—The annual meeting of the Exeter and District Branch of the Pharmaceutical Society was held at Exeter on November 21, Mr. Murray T. Foster presiding. The annual report and financial statement was adopted and officers and committee elected as follows:—Chairman, Murray T. Foster; Vice-Chairman, J. W. Lake; Treasurer, S. S. Brown; Auditor, W. W. Pine; Secretary, F. Southerden; Social Secretary, A. C. Milton; Committee, W. R. B. Arnold. F. E. Battershill, G. A. Clarke, F. Dyson, A. T. Hayward, E. G. W. Hodge, W. E. Hollows, W. W. Pine, P. F. Rowsell, W. J. Shepperd, P. F. J. Trestail. The chairman reported on the Diamond Jubilee Dinner held by the Pharmaceutical Society, and made an appeal for the Benevolent Fund. It was considered that a personal appeal from the chairman should be sent to all members, and several members agreed to assist in district canvassing. After an interval for light refreshments, members were addressed by Mr. Colin D. Ross, agricultural organiser for Devon, on the Interdependence of the Pharmacist and the Agriculturalist. [An abstract appears on p. 696.]

Interdependence of the Pharmacist and the Agriculturalist. [An abstract appears on p. 696.]

Ipswich.—Members of the Ipswich and Suffolk Branch of the Pharmaceutical Society were entertained by a lecture on November 19, by Mr. S. J. Stearn, on America and Back in a Month. The lecture was illustrated by lantern slides, and the lanternist was Mr. G. Grave. The lecture was much appreciated, and Mr. J. C. Wiggin, chairman of the Branch, proposed a vote of thanks.

Junior Rally.—The second gathering of students under the auspices of the Pharmaceutical Society took place on November 15, when nearly six hundred were present. The president (Mr. Herbert Skinner) occupied the chair. A programme of community singing and items arranged by the students themselves proved very attractive. Mr. F. W. Adams, assistant secretary to the Pharmaceutical Society, was the only speaker, as Mr. Neathercoat could not be present. As at the first rally, the gathering was marred by a too great abundance of rival vocal displays from the respective schools, it being difficult to obtain a hearing for anyone save the vocalist, Miss Margaret Williams.

Swansea.—There was a representative gathering of pharmacists, students and apprentices at the meeting of the Swansea, Neath and Port Talbot Branch, held on November 29. The chair was taken by Mr. J. A. Gilbert, who introduced Mr. W. J. Beardsley, member of the Council. Mr. Beardsley said that sometimes wholesalers were compelled to write to customers demanding to know what they did with certain "dangerous" drugs, the demand coming from the Home Office. Once every month a policeman came to sign the poisons book, and the D.D.A. drugs were checked regularly every Monday. With reference to the large numbers entering the ranks of pharmacy, the Council were giving consideration to raising the status, as something had to be done to prevent the entry of those never likely to be qualified. The problem of the ever-increasing number of drug stores was perplexing. He appealed on behalf of the Benevolent Fund. Mr. J. Gower, secretary of the Carmarthenshire Branch, proposed a vote of thanks.

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist & Druggist,' 42 Cannon Street, London, E.C.4."

Report on the November Analytical Exercise

The powder distributed to students on November 6 contained seven parts by weight of sodium bicarbonate, two parts of sodium oxalate, and one part of sodium phosphate. The calculated composition of such a mixture is:

Na						27.4
CO_3		•••			• • •	50.0
PO_4	•••	•••	•••	•••		2.6
$C_2 \tilde{O_4}$ H	• • •	•••	***	•••	•••	$\frac{13.1}{0.9}$
H,0		•••	• • • •	•••		6.0
2 -			• • • • • • • • • • • • • • • • • • • •			
						100.0

There were also present, as impurities, a distinct trace of ammonium and a faint trace of chloride.

Samples of the powder were sent out to thirty-two students, and twenty reports were returned for examination. Sodium and the carbonic acid radical were detected in every instance, and the phosphoric acid radical by every student except two, but only two students detected the oxalate and three the trace of ammonium, while the evolution of water when the powder was gently heated was unreported in six cases. Radicals reported as constituents but not actually present included nickel, magnesium and potassium, and those of arsenious, boric, sulphurous, and sulphuric acids.

Preliminary tests indicated the presence of sodium and of a carbonate or a bicarbonate, and some students had detected the phosphate before starting a systematic examination for metallic radicals. In making this examination there were few students who appear to have reflected that since the powder was completely soluble in water, contained the phosphoric acid radical, gave a slightly alkaline reaction, and did not yield any precipitates on the addition of the group reagents for groups I to III, only a very restricted number of metallic radicals, which did not include the members of the barium group or magnesium, could possibly be present. Accordingly the whole of the usual groups of metals were, as a rule, tested for, and in one or two cases magnesium was actually reported present—a result which due consideration of the facts ascertained by previous observation ought to have prevented.

The testing for ammonium compounds was usually carried out by boiling the powder with solution of sodium hydroxide and testing for ammonia in the escaping steam by means of red litmus paper. This method is quite effective where moderate quantities are concerned, but it is not appropriate for the detection of traces because insufficiently delicate. A much more delicate test consisted in grinding the powder with about four times its weight of soda lime, moistening the mixture with two or three drops of a 50 per cent. solution of potassium hydroxide, and inverting over the whole a watch glass, to the inner surface of which a small fragment of moist red litmus paper was attached. In a few minutes the litmus paper had become distinctly blue through the action of the liberated ammonia, although

the quantity of this was extremely small.

The most striking feature in the analyses reported upon was the unexpectedly large number of failures in the detection of the oxalate. It was not surprising that the preliminary test by heating the powder with concentrated sulphuric acid should have failed to furnish distinct evidence of its presence, since the small proportion of carbon monoxide liberated could not readily be recognised in admixture with much carbon dioxide. The majority of the failures were apparently due to the omission on the part of students to make any special test for oxalate. When a small quantity of the aqueous solution of the powder was acidified with dilute acetic acid and calcium sulphate was added, a precipitate of calcium oxalate appeared almost at once. This precipitate dissolved readily in dilute sulphuric acid, and on warming

the solution and cautiously adding dilute solution of potassium permanganate the colour of the latter was at once discharged.

The trace of chloride present was altogether insufficient to account for the precipitates evidently obtained in quantity by some students (and occasionally described as curdy) in testing for chloride by means of silver nitrate. These precipitates almost certainly consisted of silver oxalate, which is not held in solution unless the concentration of nitric acid present is considerable.

PRIZES

The first prize for the best analysis has been awarded to:-

HENRY W. BLICK, 71 Laxey Road, Rotton Park, Birmingham.

The second prize has been awarded to:-

REGINALD W. MOORE, 71 Artisan View, Heeley, Sheffield.

First Prize.—Any scientific book that is published at a price not greatly exceeding fifteen shillings may be taken as a first prize.

Second Prize.—Any scientific book which is sold for about seven shillings and sixpence may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher, naming the book or books they select.

MARKS AWARDED FOR ANALYSES

H. W. Blick (first	1	Phosphene			78
prize)	97	L. S. D.	•••	•••	75
R. V. Moore (second		Percy	• • •	•••	75
prize)		Sodii Salicyl	•••	•••	75
Chink	86	Alqua	•••	•••	73
Cantab	83	Wempa	•••		72
	82	D.O.R.A.		•••	71
Rambler	82	B. V. J.		•••	68
Dot	81	Olmane	•••	•••	61
Glycyrrhiza	79	Ad lucem			56
Resurgam	79	Trebor	•••	***	55

To Correspondents

R. V. Moore.—As in this analysis it was not necessary to remove the phosphoric acid radical by a special reaction, it was also unnecessary to destroy the oxalate, for the same reason.

CHINK.—It does not appear that you applied any test for an oxalate. This is especially unfortunate, as your neat report is correct in every other particular, and a careful test for the oxalate could scarcely have failed to supply evidence of its presence.

METROPOLIS AND RAMBLER.—Care is needed in endeavouring to distinguish between carbonate and bicarbonate by means of magnesium sulphate, inasmuch as a dilute solution of a carbonate does not yield any precipitate with this reagent in the cold, but does so on warming. On the other hand, in the presence of, say, barium chloride, the precipitation of barium sulphate which would occur might be mistaken (and frequently has been mistaken) for a reaction due to a carbonate. Examine the matter for yourselves, using known solutions of a carbonate in varied conditions of concentration.

GLYCYRRHIZA.—The chloride present was only a trace, sufficient to yield no more than a faint turbidity with silver nitrate. The precipitate which led you to report a chloride as a main constituent was most likely silver oxalate which is sparingly soluble in dilute nitric acid. Note that the bicarbonates of other metals besides those of potassium, sodium, and ammonium may be present in aqueous solution: for example, ferrous, calcium, and magnesium bicarbonates are met with in many natural waters. Sulphuric acid radical was not present as impurity.

RESURGAM.—The turmeric paper test for borate is not complete unless the green colour produced when the dried paper is moistened with alkali hydroxide has been observed. The paper is usually slightly reddened by moistening with hydrochloric acid alone and drying.

(To be continued.)

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Local Reports

ENGLAND AND WALES

Bath.—At a meeting of the Insurance Committee, on November 1, it was reported that the prescriptions dispensed in May numbered 8,660, and the average cost was 3,835d. for ingredients and 4,458d. for dispensing fees. In June there were 7,811 prescriptions, at an average cost of 3,890d. for ingredients and 4,459d. for dispensing. In July there were 7,738 prescriptions, the average cost being 3,896d. for ingredients and 4,389d. for dispensing.

Blackburn.—During September 23,496 prescriptions were dispensed in Blackburn; the ingredients cost £419 11s. 11d. and the dispensing fees £432 16s., the average ingredient cost being 4.3d. and the average dispensing fee 4.4d. The prescription frequency per insured person was 0.4, and the average total cost per insured person 3.2d.

Cheshire.—At the annual meeting of the Insurance Committee, on October 31, it was reported that during the year the Committee had made recommendations in respect of two cases of investigation of prescribing. The Minster of Health had indicated that he was not satisfied with the decisions of the Committee, and had appointed referees to hear the cases. It was found that in one case the excessive cost of prescribing was £100 and in the other case £47. Since that date one of the doctors concerned had elected to make oral representations to the Minister on the matter. The decision of the Minister in neither case, however, had yet been received. Arising out of this matter, the Committee submitted the following resolution to the National Association of Insurance Committees:—"That Article 37 of the Medical Benefit Consolidated Regulations, 1924, be amended in such a manner as will provide for Insurance Committees being associated in the investigation of the prescribing of Insurance practitioners from the point at which, under Clause I of the article, a prima-facie case is referred by the Minister."

Cornwall.—The Insurance Committee, on October 31, fined a doctor £50 for neglecting a panel patient, and decided to pay the money to the widow of the patient. It was alleged that the doctor failed to respond to the call to see the patient, who died two days later from pneumonia. In defence the doctor stated that his car broke down, and he thought it too late to go to the patient.

Essex.—The quarterly meeting of the Insurance Committee was held on October 30. The Medical Benefit Subcommittee reported the following statistics:—

		April to June	
	1926	1927	1928
No. of persons	255,891	272,693	284,988
No. of prescriptions	253,092	275,485	290,998
Total cost of pre-	· ·	-,	,
scriptions	£9,480 19s. 6d.	£10,024 16s, 8d.	£10,615 0s. 7d.
Av. cost per person	8.89d.	8.82d.	8.94d.

A member stated the return showed that rather over one prescription for each insured person had been issued during the quarter. It was rather a large percentage. The Pricing Committee also stated that during the quarter ended June 30 insulin was supplied in the Committee's area at a total cost of £243, and that vaccines and serums were supplied at a total cost of £58, as compared with £168 for insulin and £43 for vaccines and serums in the corresponding period in 1927.

Committee was held at Ipswich on November 20. It was reported that the Pharmaceutical Service Subcommittee had met once during the year to consider the analyst's reports relating to two samples. The two chemists concerned appeared before the Subcommittee, and as a result it was decided to recommend that no action be taken. The number of pharmacies conducted by chemists in agreement with the Committee had increased from 65 to 68, the number of pharmacies in the area being 44. The following comparative statement illustrates the in-

crease in the expenditure on drugs during the past five years:-

				Aver, total		
				Cost per	Number	
			Expenditure	prescrip-	prescrip-	Fre-
Year			£ s. d.	tion	tions	quency
1923		•••	3,346 11 11	8.78d.	91,517	2.96
1924			2,856 17 1	9.39d.	98,624	3.18
1925	***	•••	4,008 19 5	8.89d.	108,308	3.41
1926		***	4,389 14 5	9.16d.	114,952	3.53
1927		•••	4,601 7 2	8.81d.	125,345	3.75

During 1927 the total cost of insulin ordered and supplied by doctors for patients in the area amounted to £242 9s. 1d., and the cost of serums and vaccines was £39 8s. 5d.

Gloucestershire.—At the annual meeting of the Insurance Committee, on November 3, it was stated that there were 100 chemists on the panel, nine having withdrawn during the year and eleven had been added. Of thirty-six samples of drugs and appliances taken for analysis, thirty-one were satisfactory, and the remaining cases were investigated by the Pharmaceutical Service Subcommittee, with the result that two of the chemists were cautioned, two were fined £2 each, and one £1. The Finance and General Purposes Subcommittee reported that ten samples of medicine and two of appliances had been taken, and all were certified to be most satisfactory.

Herefordshire.—The annual meeting of the Insurance Committee was held on November 6. Three reports were received from the Pharmaceutical Service Subcommittee concerning analyses of samples supplied by chemists in the county. One of the chemists admitted errors in dispensing, but explained that the assistant who dispensed the mixture had mislaid the formulary and had relied on his memory. The Committee recommended that the chemist should be fined £1. A second chemist had supplied medicine in a 13-oz. bottle, whereas it should have been supplied in a 12-oz. bottle. The analyst found an "apparent excess of one of the constituents," but the respondent contended that the patient would obtain a correct dose of medicament because the bottle was marked with tablespoonfuls, or divisions of one-twenty-fourth. The Committee felt that the case was one in which no further action should be taken. In the third case the chemist stated that the errors had arisen through a sticky balance. A fine of £1 was recommended.

SCOTLAND

Aberdeen.—The Medical Benefit Subcommittee recommended the adoption of a model scheme for the testing of drugs and appliances, as prepared by the Scottish Board of Health, with Dr. J. F. Tocher as analyst. It was also reported by the Subcommittee that a letter had been received from the Panel Committee stating that members had "agreed not to undertake the writing of fictitious names in any prescription form." The Subcommittee thought that this decision had been given under a misapprehension, but, in any event, they were satisfied that the Insurance Committee must proceed with the scheme as instructed by the Board. Provost Taylor, Inverurie, said that, speaking on behalf of the chemists, they welcomed the scheme. The scheme would show that insured persons got the same treatment as others. The Rev. R. Robertson (Logie-Coldstone) said that he learned that some druggists had watered their drugs for panel patients. Mr. A. S. Weir, chemist and druggist, Kemnay: That statement should not go unchallenged. Can the gentleman produce names? Provost Taylor: It is a nasty thing to say. It is a bad reflection on an henourable body of citizens. The clerk of the committee intimated that one alteration in the original scheme of testing was that the Pharmaceutical Committee should be consulted in the selection of types of prescriptions to be analysed. The Board of Health would take no objection to that. Dr. Rorie, Cults, drew attention to the fact that doctors would have, under the scheme, to sign their names to fictitious prescriptions. They would be signing their names to false statements. That was an objectionable thing to do. The Clerk: The scheme has received the support of the British Medical Association. Dr. Rorie: It is not any better of that.

New Books

Hammoud, A. E.—Practical Aids to Retail Selling. 8\frac{3}{4} in. by 5\frac{3}{2} in. Pp. 164. 7s. 6d. Sir Isaac Pitmau & Sons, Parker Street, Londou, W.C.2. [This book has been written with the object of placing before retailers practical information on sales-promotion and window display, and to draw attention to devices likely to aid in increasing turnover. The information given applies to most of the retail trades, so that little space is devoted to the individual needs of chemists.]

Wagner, H.—Die Körperfarben. 10 in. by 6½ in. Pp. 526. Marks 36. Wissenschaftliche Verlagsgesellschaft m.b.H., Stuttgart. [A text-book on the manufacture of pigments, in which the modern scientific foundations upon which the technical processes are based are dealt with. The work is divided into four parts: (1) The nature of pigments, optical, chemical and physical characters of colours; (2) the manufacture of pigments; inorganic and organic colours, coloured varnishes; (3) the uses and applications of pigments; (4) the examination of pigments. Six colour plates are included in the work.)

Anselmino, O., and Brieger, R.—Pharmazeutisch-chemisches Rechenbuch. 8½ in. by 5½ in. Pp. 75. Marks 3.75. Verlag von Julius Springer, Berlin. [This useful work has beeu compiled for the benefit of chemists who are called npou to carry out uumerous aud often intricate calculations in analytical work, a task which cau be greatly simplified aud cousiderably expedited by the use of logarithms. It cousists of a collection of tables, one giving the chemical formulas, molecular weights and corresponding logarithms of a very large number of chemical componuds, including many synthetic remedies, while others are devoted to the practical application of logarithms in determining specific gravities, effects of changes in temperature on volumetric solutions, calculations of results in gravimetric and volumetric analyses, etc. These tables are intended particularly for use in pharmaceutical work.]

Moeller, J.—Mikroskopie der Nahrungs- und Genussmittel aus dem Pflanzenreiche. Third edition. 10 in. by 7 in. Pp. 539. Marks 45. Verlagsbuchhandlung vou Julius Springer, Berlin W.9. [The task of issuing a revised edition of Moeller's well-known text-book on the microscopical examination of vegetable foods and condiments has been successfully carried out by Dr. C. Griebel, who has added no less than 177 new illustrations, bringing up the total number to 776. In all the microscopical characteristics of approximately 350 different plant products—starches, seeds, fruits, flowers, leaves, roots, etc.—are described in separate monographs. Tables giving the distinctive features, as well as differences, which occur in certain botanical forms, and which make it possible to determine the origin of a specimen under examination, are also included, as well as references to adulterants. The inclusion of so many excellent figures of sections, etc., materially assist in the practical application of the information given in the text.]

Pierron, L.—Les Procédés Modernes de Fabrication de l'Acide Sulfurique. 6 in. by 8½ in. Pp. viii + 944, with 317 diagrams. Librairie J.-B. Baillière et Fils, 19 Rue Hautefeuille, Paris. [This treatise ou moderu sulphuric acid maunfacture is the most recently issued of the series under the general editorship of Professor M. Matiguon in iudustrial chemistry published under the patronage of the Société Ingénienrs Civils de France and the Société d'Encouragement pour l'Industrie Nationale. It includes a short historical outline of the rise of the sulphuric acid iudustry, and describes in brief the earlier methods of mannfacture and the steps in the development of processes. A summary of theories as to the chemical reactions involved is given. The major portion of the book is taken up with a description of the technological methods actually employed in present-day practice. The concluding chapters deal with methods of purification and analysis of the final products. Statistics of production and other commercial information relating to the principal industrial countries are given. Some of the English and German proper names and titles of papers given in the text are in need of correction.]

Belli, C. M.—Guida: alle Analisi Cliniche di Chimica Microscopia Batteriologia e Sierologia. 9½ in. by 6½ in. Pp. xl + 299. Lire 60. S.A. Iustituto Editoriale Scientifico, 15 Via Monte Napoleoue, Milan. [This book is a guide to clinical analyses. Present-day diagnosis is not only based ou symptoms but in many cases is supplemented or confirmed by laboratory examination of pathological products. For the successful application of such methods a special technique is required which is often complicated by the difficulty of selecting au appropriate test. In most books ou clinical analysis several tests are usually described for the same object but with up indication as to the most applicable, and the primary object of this guide is to save the time of the clinician by describing a single method only for carrying out each test. These have been selected from the viewpoint of simplicity and accuracy. The materials for examination can be obtained in the daily routine work of an ordinary physician, and the tests can be carried ont in a small laboratory. The author has avoided complicated methods and tests devoid of clinical significance or those for which special and expensive apparatus is required The introduction gives a list of those diseases in which the laboratory can make contribution to diagnosis, and each chapter is prefaced by introductory remarks giving the scope of the examination and details for collecting samples. At the eud of every chapter the diagnostic significance of the results of aualysis is appended and the analytical index provided is the means of finding with facility the appropriate examination to be carried out. An appendix summarises instructions for preparing vaccines, and four coloured plates of stained pathogenic organisms are included. These plates, how-ever, would have been much better if they had been printed ou art paper. The book contains numerous illustrations, and should prove of value in the hands of the clinical analyst.]

Ullmann, F.—Enzyklopādie der technischen Chemie. Vol. I. 10½ in. by 7½ in. Pp. 816. Marks 48. Verlagsbuchhaudlung von Urbau & Schwarzenberg, Berlin, N.24. [The appearance of an entirely revised second edition of this well-known compendium will be welcomed by all manufacturing chemists on account of the wealth of practical information to be found in this the wealth of practical information to be found in this work. It is impossible to do justice to a work of so compreheusive a uature within the space of a brief compreneusive a uature within the space of a brief review. However, for the benefit of those who are not acquainted with the first edition, an outline of the method adopted in presenting the information given under each title may serve to convey an idea of its usefulness. The first volume includes the titles from Abasin to Ausdehnung, and contains, inter alia, the following articles on subjects of pharmaceutical interest: Evaporation, acetantilide, acetylsalicylic acid extraction. Evaporation, acetanilide, acetylsalicylic acid, extraction of alkaloids, ammonia, synthetic remedies, ethyl alcohol, to mentiou but a few. The monograph on acetylsalicylic acid may serve to illustrate the wide range of information which it has been the compilers' endeavour to present in the individual articles. The chemical title is followed by an enumeration of the protected trade marks, and uames of owners under which it is marketed, its formula, chemical, physical and therapeutic characters, tests, and a note to the effect that it was introduced into materia medica by Dreser in 1899. Four processes for the manufacture of acetylsalicylic acid are then described in detail, with uumerons references to the literature and also to patents—a very valuable feature, which greatly enhances its usefulness as a work of reference. Notes on its salts and compounds are also included. A large number of tables as well as 275 illustrations of apparatus and of chemical installations figure in the text. Other important features are the inclusion of statistical data regarding the annual production of many chemicals (e.g., the annual production of acetylsalicylic acid is estimated to amount to about 3,000 tons), and also of the cost of production, particulars of the various manufacturing plants in different countries, and in many instances of the methods adopted by these works, together with notes on their development. The entire work will consist of ten volumes, and in view of its eminent practical utility should find a place in the library of every manufacturing chemist.]

Merchandise Marks Act Inquiry

IMPORTED RUBBER GOODS

(Continued from C. & D., November 24, p. 650)

Evidence with regard to surgical goods (among other classes) was given by Mr. H. C. North (managing-director of Messrs. H. C. North & Co., Ltd., of Southwark Street, London, S.E., who deal in both British and foreign rubber goods). He pointed out that some of the rubber articles covered by the application were parts of complete articles are for instance dental gas bars (the complete articles, as, for instance, dental gas bags (the value of which was a small part of the value of the whole apparatus), and English manufacturers of the complete articles would not buy rubber parts which were marked, because the marks would have the effect of branding the complete articles as foreign. Also, some of the articles proposed to be marked did not consist wholly of rubber. In surgical goods there was the risk of the stencilled marks rendering them septic in use. The less printing on anything which had to be inserted into the human body, the better. The articles were not always used buy, one better. The articles were not aways used by doctors and nurses, who had been trained to the necessity for sterilising them before use, but were sometimes used by patients themselves, who had not been so trained. Marking was unnecessary in the case of many surgical goods because those goods were bought only by experts, who bought according to the funds at their dis-posal, and were attracted by the low price, especially as the quality was equal to that of the English manufactured Generally speaking, the price of the imported rubber surgical goods was lower than that of the English. Asked if the whole of the difference was passed on by the wholesaler to the ultimate buyer, he said it must be in some cases, because the National Health Insurance organisations would not be able to supply English rubber organisations would not be able to supply English rubber articles at the fancy prices at which some were sold. It was emphasised that some people in this country were compelled to use imported goods, from financial considerations, and if a marking Order were made they would be forced to use the goods marked with the word "foreign" or with an indication of the country in which they were made. Some of the articles covered by the application would be disfigured as the result of marking. It was proposed by the applicants that hospital sheets

It was proposed by the applicants that hospital sheets or sheeting be marked at intervals of 1 yard, but he saw no necessity for that. The size of sheeting generally used in hospitals was 54 inches by 36 inches, so that if the applicant's proposals were accepted such sheets would have to bear at least two marks. The proposed marking would be expressive set that seeker would be interfered. would be expensive, so that sales would be interfered with, and the marking would disfigure the sheets.

The origin of hot water bottles would be indicated to the buyers quite effectively by applying the marks to the bags or cartons in which they were usually sold, instead of embossing, printing or stencilling the marks on the rubber itself. A point against the marking of the rubber of the bottles was that in cases where bottles were sold in covers of woollen or other materials the marks would not be visible. The indication of the origin of pillows or beds could also be marked on the labels or wrappers.

In cross-examination, witness said his whole objection to the marking of German goods was that the mark "made in Germany" created prejudice. He would welcome an Order requiring rubber gloves to be marked, but the mark in question would condemn them at once.

The necessity for allowing sufficient time to elapse so that existing un-marked stocks could be disposed of before an Order became operative (assuming an Order were made) was mentioned. Mr. North said that the main articles of his stocks would be disposed of in about

INQUIRY CONCLUDED

The inquiry was concluded on Tuesday, December 4, when the whole day was devoted to the hearing of counsel's closing speeches. (The evidence was reported in the C. & D. of November 10 (p. 586), November 17 (p. 611), and November 24 (p. 650).)

Mr. N. L. Macaskie (counsel for a group of merchants and most of the counsel for a group of the c

and manufacturers selling or using rubber goods in their

domestic production) said that the application was exceptional by reason of the wide range of articles included in it, and by reason of the modification of the applicants' case in the course of the inquiry, resulting from agreement or abandonment. The application included eighty-six classes of rubber goods, but there was a very support of other classes of goods, it the wholes. was a vast number of other classes of goods in the rubber industry, and he submitted that the applicants did not substantially represent the industry. He supposed they had cherished the hope that by enumerating some of the goods produced they would be able to rope in all those produced by the industry.

Although the application included some thirty-five classes of surgical goods, samples of only about six of these classes of goods had been exhibited. To ask the Committee to recommend the marking of thirty-five classes of articles, when samples of only five or six had

been exhibited, was asking too much.

The CHAIRMAN pointed out that the exhibition of samples of every class of goods might have lengthened

the inquiry considerably.

Mr. Macaskie objected to an Order that imported rubber goods should bear the marks of origin at the time of importation and not merely at the time of sale, one reason being that the examination of packages would impose an intolerable burden upon the Customs authorities. He pointed out also that the applicants had agreed with some of the objectors as to the forms of marking to be adopted in respect of certain classes of goods (subject to the Committee's approval), on the basis of a sales Order. It was hardly likely, he said, that inasmuch as the applicants had waived their demand for an importation Order in respect of those goods which were the subject of agreement, the Committee would recommend an importation Order in respect of the remainder.

A marking Order which necessitated marking by means of embossing or by means of transfers would considerably increase costs of manufacture. Further, the embossing of surgical goods would increase the risk of there becoming septic through insufficient sterilisation. He also pointed out that the agreement between the applicants and the other group of objectors related to surgical goods, among other things, although the objectors referred to had practically no interest in surgical goods. Therefore, he asked the Committee to ignore the agreement so far as surgical goods were concerned. Indeed, he suggested that to try to prejudice other people by entering into an agreement as to goods in which they were not interested was dishonest.

Mr. J. D. Corsellis (for the applicants), after emphasising the confusion which existed as to the origin of rubber goods, and the necessity for marking the goods, wherever practicable, in such a way that the marks could not be lost or obliterated before the goods reached the consumer, said that marking by the methods proposed by the applicants would not increase costs to any appreciable extent. As to the suggestion that the applicants had not produced the necessary samples, he said that the samples produced were representative, and that was all that was necessary.

With regard to the part of the application relating to the marking of vulcanite combs, he suggested that the Committee might defer making any recommendation to the Board of Trade until the applicants had had time to communicate with the manufacturers of combs made of other material, with a view to finding out whether an application was likely to be made with regard to combs generally. If such an application were contemplated, then he would ask that vulcanite combs should not be included in the present application, but if an application relating to combs generally were not contemplated, he would like vulcanite combs to be included in the present application.

The CHAIRMAN said he doubted whether it would be possible for the Committee to adopt the suggestion to defer their recommendations, but they would consider it.

Mr. Corsellis said if it were not possible to defer their recommendation, he would ask that vulcanite combs be included in the present application. The inquiry was concluded, and the Committee will report in due course.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for hulk quantities or original packages. To these prices various charges have to be added, wherehy values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may he incurred in garhling, packing, etc. essential and fixed oils, vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in hulk quantities. even in hulk quantitles.

42, Cannon Street, E.C.4, December 6

Business in the produce markets is now slackening off in view of the approaching end of the year, but a fair amount of interest is shown in a number of articles. At the annual sale of castorum, the reduced supplies met with keen competition from home and Continental buyers, and prices petition from home and Continental buyers, and prices advanced practically 100 per cent, against last year's rates. Among crude drugs, calumba has been in demand and is dearer; agar agar is easier on spot. Menthol and oil are lower on pronounced "bear" selling for forward delivery. Matto Grosso ipecacuanha remains firm. Cumin seed has advanced considerably on the spot, and Morocco coriander is easier. Male fern oil is firmer. Essential oils are quiet and price changes are mostly downwards. Citronella oils are firmer. Geranium, lemon and the peppermints are cheaper. Cassia, orange and wormseed are lower. In the pharmaceutical chemicals group business has been fair with orders limited in size, with no important price changes. Amidopyrin is cheaper to buy, and phenazone is steadier. Citric acid continues undefined as regards the forward position. Hexamine is in fair demand. Among industrial chemicals a moderately good business is reported at mostly unchanged rates. Acetone continues firm and in good demand. Pure acetone, fermentation and synthetic acetone and ethylene glycol will again be dutiable from January 1, 1929, not having been re-exempted. Arsenic is easier and copper sulphate firm. Carbolic acid crystals and cresylic acid continue firm. Among the fixed oils, palm has recovered sharply. Coconut, cotton, rape, soya and linseed have moved in buyers' favour. Turpentine has maintained its recent improvement. Castor and groundnut are dull.

Higher	Firmer	Easier	Lower
Calumba Castorum Cumin seed Orris (Flor.) Palm oils Peppers Pimento (c.i.f.)	Citronella oils Linseed (Mazagan, c.i.f.) Male fern oil Steadier Phenazone	Antimony Arsenie Coconut oil Coriander seed (Mor.) Čotton oils Geranium oils Lemon oil Linseed oil Peppermint oil (Jp. dementh.) Rape oil Soya oil	Agar agar Amidopyrin Cassia oil Cocoa butter (Amst., auction) Cod-liver oil Menthol Orange oil Shellac Wormseed oil

Crude Drugs, etc.

AGAR AGAR is easier at 4s. 3d. per lb. on the spot for No. 1 Kobe and to come forward new crop is offered at 3s. 9d. c.i.f.

3s. 9d. c.i.f.

ALOES.—The exports from the Union of South Africa during August amounted to 65,817 lb. (£520), against 62,500 lb (£465) in August 1927. During the eight months ended August 31 the exports were 658,598 lb. (£5,486), compared with 542,695 lb. (£5,980), for the corresponding period of 1927.

Antimony was rather dull and holders of Chinese on the spot are disposed to shade £40 for good-sized lots, while shipment is also a little easier at a little under £37 c.i.f. English high-grade refined is maintained at £59 l0s. to £60, but other brands are selling down to about £56

brights high-grade refined is maintained at £59 10s. to £60, but other brands are selling down to about £56.

Belladonna root is in more demand: .45 is offered at 56s. c.i.f. and .49 at 58s. c.i.f.

Buchu.—The exports from the Union of South Africa during August amounted to 15,759 lb. (£556), against 1,561 lb. (£103) in August 1927. During the eight months ended August 31 the exports were 154,242 lb. (£6,297), compared with 113,880 lb. (£4,930) for the corresponding period of 1927. Cadmium is very firm and the stringency relating to spot.

CADMIUM is very firm and the stringency relating to spot delivery is as conspicuous as ever, while current arrivals are apparently rather quickly absorbed. Spot quotations vary from about 4s. 8d. to 4s. 10d., and forward shipment is about 4s. 3d. per lb.

CALUMBA has been in better demand of late, with ordinary natural sorts offering at from 45s. to 50s. per cwt.

CASTORUM.—The annual sale of the Hudson's Bay Co. was held on Wednesday, when 1,362 lb. was offered, against 1,604 lb. in 1927, and 1,830 lb. in 1926. It will be observed that the offerings were the smallest over an extended period. The quality of the consignment was fairly good all round; in fact, most of the lots were considerably drier than the arrivals of recent years. In view of the short supplies, the whole of the offerings found ready buyers, the competition being the keenest experienced for several years past. Whilst the demand from the home trade was small, the principal buying was for German account, France also taking a small quantity. It would appear that most of the buyers had orders to buy "at best," with the result that last year's prices were quickly left in the background, there being from 95 to 100 per cent. advance on practically all grades. In the case of firsts, business was done up to 107s, per lb., against the highest price last year of 50s. Seconds sold up to 105s. per lb., against 34s. last year; thirds realised up to 73s. per lb., against 26s. last year. Cuttings sold up to 52s. per lb., against 26s. last year. Cuttings sold up to 52s. per lb., against 20s. last year. We understand that the stocks, prior to the sale, were much depleted, and as no further supplies are expected for another year, prices will need to the prices will further supplies are expected for another year, prices will no doubt be maintained, providing consumers can afford to pay this heavy increase in values.

	Quality		Offered and sold	Price, 1927	Price, 1928
YF	Firsts Seconds Thirds Pickings Cuttings Waste	••	lb. 22 48 78 30 140 65	s. d. s. d. 40 0 46 0 30 0 — 25 0 — 19 0 20 0	47 0 49 0 46 0 —
MR	Thirds Pickings	::	60 28	s. d. 33 0 26 0	s. d. 52 0 49 0
NW	Firsts Seconds Thirds Pickings		122 150 257 122	s. d. s. d. 41 0 46 0 33 0 34 0 26 0 —	
Canada	Seconds Thirds Pickings	::	24 48 23	s. d. 38 0 31 0 24 0	s. d. 78 0 60 0 54 0
ЕВ	Firsts Seconds Thirds Pickings		23 34 56 32	s. d. 39 0 29 0 24 0	s. d. s. d. 69 0 — 62 0 — 54 0 55 0 50 0 —

Of the Oregon castorum, the small supply of 137 lb, was catalogued, against 762 lb. last year; the quality was about equal to that of last year. This small quantity was quickly disposed of, firsts and seconds realising 60s, to 69s, per lb.; thirds, 48s, to 64s, per lb, and pickings, 39s, per lb. CLOVES.—Zanzibar are firm at 1s, 4½d, per lb. on the spot. For shipment, December-February is quoted at 1s, 4½d, per lb. c.i.f. The landings of Zanzibar in London during the week ending December 1 were 475 and the deliveries 679, leaving a stock of 2,737, against 9,732 in 1927 and 7,899 in 1926. From January 1 to December 1, 1928, the landings of Zanzibar havo been 14,211, against 16,785 in 1927, and the deliveries 19,155, against 14,754 in 1927. The landings of Madagascar during the week ending December 1 were nil, Madagascar during the week ending December 1 were nil, and the deliveries 8, leaving a stock of 1,582 bales. The landings to date have been 1,281 and the deliveries 1,399.

The exports of cloves from Zanzibar during the first eight months of 1928 amounted to 122,300 cwt., against 165,990 cwt. for the corresponding period of 1927.

COCOA BUTTER.—CFR is quoted at 1s. 5½d. per lb. on the spot, and prime English at 1s. 4d. to 1s. 4½d., in not less than one-ton lots. At the Amsterdam auction held on December 4 Van Houten's "AA" sold at 84.00 cents per haff-kilo., against 88.00 cents last month. "A" sold at 79.28 c. against 83.14 c. last month.

COD-LIVER OIL remains quiet, as is customary towards the end of the year, most buyers being engaged in stocktaking. Prices are on the easier side at from 145s. to 150s. per barrel c.i.f. for finest new non-freezing steam-refined Lofoten oil.

Lofoten oil,

Bergen, December 3.—The price for finest non-freezing, steam-refined quality has been reduced, and the official quotation is now 157s. per barrel c.i.f. London.

CORN PRODUCTS, ETC.—Guaranteed water-white American plucose (corn syrup) is 22s, per cwt. for December delivery, ex store London, and Continental for shipment 21s. 6d. to 21s. 9d., c.i.f. U.K. Dutch maize starch powder (cornflour)

is 15s. 3d. per ewt. on the spot. American is 15s. 9d. per cwt., ex store London, for December delivery. Pearl starch is 15s. 3d. for December, ex store, London. Dutch maize starch erystals is 21s. 6d. on the spot, and American is 20s., ex store London, for December delivery. Dutch dextrin is quoted at 22s. to 26s. per cwt. on the spot as to quality. American canary for December delivery is 18s. 7½d. White for December delivery is 18s. 4½d., ex store London. Dutch farzia is quoted at 14s. 6d. per cwt. on the spot, and to arrive 11s. 10½d. f.o.b. is quoted.

DIGITALIS LEAVES are quoted at 120s. per cwt. c.i.f. to come

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forward.

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Ergor is quiet but steady, with Russian offering at 1s. 2d. per lb. on the spot. Spanish is quoted at 3s. 2d. c.i.f.

GUN ACACIA has remained quiet and unchanged, with a firm tendency at the source. Kordofan has been sold at from 45s. to 46s. on the spot for cleaned and at 40s. per ewt. c.i.f. for natural for December-January shipment. The London stock on November 30 was 5,959 packages, against 8,445 last year; the landings to date have been 13,723 and the deliveries to date 15,645 packages.

INSECT FLOWERS remain very firm, with good closed Dalmatian offering as from 175s. to 180s. per ewt.

IPECACUANHA remains firm, with fair quality Matto Grosso offering at 11s, per lb. The deliveries from public warehouses for November were good, viz., 73 bales Matto Grosso and four bales Minas; there were no landings, and the stock of Matto Grosso is reduced to 240, and ten bales each of Cartagena and Minas.

LOBELIA HERB is quoted at 8½d. per lb. on the spot.

MAGNESIUM.—Moderate buying has been done, and home makers find no difficulty in disposing of their output at their current quotations of from about 2s. 3d. to 3s. 9d. according to specification for sticks or small ingots and bars, while ribbon is quoted at 11s. up to 14s., and powder is 4s. 6d. to 7s. 6d. per lb.

Male Fern oil is rather firmer at 3s. 3d. per lb. for 24 to 25 per cent. filicin.

MENTHOL.—Conflicting interests have been more apparent.

MALE FERN OIL IS rather firmer at 38, 30, per 10, 101 24 to 25 per cent. filicin.

MENTHOL.—Conflicting interests have been more apparent this week and the "bear" element has come forward offering to sell Kobayashi-Suzuki at 20s, per lb. To arrive, October-December shipment is 18s. 6d., and January-March 18s. e.i.f.

MERCURY.—The steadiness of the market has been well maintained, with the larger holders by no means pressing offers. There has been a moderate demand from home consumers. It is interesting to note that inquiries from the Far Eastern market, chiefly China and Japan, having been coming along again rather more freely for 100-bottle lots. No change has been reported in the attitude of the Combine with the Central Selling Office retaining their price at \$221.15s. f.o.b. Somewhat more interest has been reported. Dine with the Central Selling Office retaining their price at £21 15s. f.o.b. Somewhat more interest has been reported in the New York market, where the spot price, duty paid, is fully \$124 per bottle.

OPIUM is quiet and unchanged on the basis of 1s. 8½d. per unit for usual Turkey druggists' quality. Arrivals valued at £8,400 have been entered by the Port of London Authority from British India.

from British India.

ORRIS.—Florentine is again dearer, fair sorts offering at 72s. 6d. per cwt. on the spot, and forward is offered at 69s.

to 70s. c.i.f.

PEPPER is firmer; fair black Singapore is 1s, 5\frac{1}{4}\text{d. per lb.} on the spot, and for October-December shipment 1s, 4\frac{1}{4}\text{d.} c.i.f. is quoted. Lampong is 1s, 5\text{d. spot.} For shipment, August-October has been sold at 1s, 5\frac{3}{4}\text{d. to 1s, 5\frac{1}{4}\text{d. c.i.f.}, October-December at 1s, 3\frac{3}{4}\text{d. to 1s, 4\frac{1}{4}\text{d., and January-March at 1s, 3\frac{1}{4}\text{d. c.i.f.} Tellicherry is 1s, 6\frac{1}{4}\text{d. spot, and January-March shipment 130s, c.i.f. Alleppy is 1s, 6\frac{1}{4}\text{d. spot and January-March shipment 130s, c.i.f. White Muntok is firmer: spot is 2s, per lb. For shipment, August-October has been sold at 1s, 11\frac{1}{4}\text{d. c.i.f., October-December at 1s, 10\frac{1}{4}\text{d. c.i.f. to 1s, 10\frac{1}{4}\text{d. c.i.f.}} and January-March at 1s, 10\text{d. to 1s, 10\frac{1}{4}\text{d. c.i.f.}} expected to 1s, 9\frac{3}{4}\text{d. to 1s, 10\frac{1}{4}\text{d. c.i.f.}} expected to 1s, 10\frac{1}{4}\text{d. per lb. on the spot, and for December-January and January-February shipment 100s, per cwt, c.i.f. has been paid.

Rubber continues steady, without any material alteration PEPPER is firmer; fair black Singapore is 1s. 54d. per lb.

RUBBER continues steady, without any material alteration in prices. The trade continues to buy all grades of spot rubber, and considerable difficulty has been experienced in obtaining supplies in view of the very depleted spot stocks. The statistical position is the main feature of the market, and while stocks are heavily declining, and show considerable decreases week by week, the market has well in mind the heavy shipments that are now approaching this poor the heavy shipments that are now approaching this port, so that in spite of the apparent shortage of spot rubber the price factor is not affected. Last week arrivals were again very small at 695 tons, whilst deliveries were 2.564 tons, showing a further decrease of 1.769 tons in the stocks. The London slock now stands at 16,855 tons, against 65,869 tons at the corresponding period last year. Quotations (Wednesday, 5 p.m.): No. 1 standard ribbed smoked sheet, spot and December, 81d.; January, 85d.; February-March, 83d.;

and December, 8½d.; January, 8½d.; February-March, 8½d.; April-June, 9d. per lb.

SEEDS.—There is little of interest to report, business remaining limited with prices steady. Anise.—Spanish is 62s 6d. and Russian 28s. per cwt. Canary remains firm but quiet; Mazagan is 19s. 9d. spot and forward shipment 20s. c.i.f. Cumin.—Maltese is 54s. spot and 47s. c.i.f. for forward shipment. Morocco has advanced considerably; business has been done at 45s. to 45s. spot, and sellers are now holding for 48s. spot. Corlander.—Morocco is easier at 18s. 6d. spot and 15s. c.i.f. for forward shipment, and Russian is 18s spot. Fenugreek.—Morocco is still scarce on the spot, and 16s. 6d. c.i.f. is quoted forward. Hemp.—Manchurian is 20s. and Chilian 21s. 3d. on the spot. Linseed.—Mazagan is 20s. spot, and forward shipment is firmer at 19s. 6d. c.i.f. and Morocco at 18s. c.i.f. Mustard.—English is 30s. to 33s. spot. Fennel.—Indian is 70s. spot and 62s. 6d. c.i.f.

Senega is in fair demand, with spot sellers at from 5s. 2d. to 5s. 3d. per lb.

Shellac is easier on the spot, usual standard TN orange

SHELLAC is easier on the spot, usual standard TN orange quality offering at 202s. 6d. per cwt.; fine orange is 220s. to 320s., pure button 245s., and AC cakey 225s. To arrive, the sales include TN for December-January shipment at 190s. c.i.f., closing sellers at that price. For delivery the sales include December at 200s. to 192s. to 195s., and March 197s. to 193s. to 195s.

TAMARINDS.—Fair Antigua are quoted on the spot at 21s., and Barbados at 24s. per cwt., duty paid. Black Calcutta is offered at 24s. spot and at 24s. c.i.f.

TRAGACANTH.—The demand continues slow, except for the medium grades at between £9 10s. and £15 per cwt., which medium grades at between £9 10s, and £15 per cwt., which still remain scarce. Lower grades are neglected and there is competition to sell, as it would appear that the direct shipments made to other ports by shippers is responsible and causing values to be irregular. No. 1 Bagdad is £28 10s. £29 10s.; seconds, £22 to £26; thirds, £19 to £21; fourths, £13 to £18; fine clean Persian leaf, £10 to £12; ordinary thick Persian, £8 to £9 10s.; dark sorts, £6 to £7 10s.; ordinary hoggy to fair natural, \$5s. to £5 10s. per cwt.

Wax (Vegetable).—Japanese is steady at \$7s. 6d. per cwt. on the spot, and to arrive \$2s. 6d. to \$3s. c.i.f. is quoted.

Essential Oils

GENERAL quietness is the rule throughout the market, and the alterations in price are in buyers' favour. Both Java and Ceylon citronella are firmer. Peppermint, geranium and lemon are easier, while cassia, orange and wormsced are

Anise (STAR).—"Red Ship" on the spot is firm at 2s. 3d. per lb. in drums, 2s. 5d. in tins or cases, and 2s. 7d. in leads, which are still scarce. The shipment values are 2s. 1½d. c.i.f., 2s. 3d. c.i.f., and 2s. ½d. c.i.f. per lb. respectively. These quotations are for January-March shipment, as nothing is available for prompt shipment.

BAY.—The 50-55 per cent. phenols is now quoted at 7s. 6d.

per lb. on the spot.

BERGAMOT is unchanged at 22s, per lb, on the spot and 21s. 6d. per lb. c.i.f. for 37-38 l.a.

Cassia is lower. Shipment on Hong-Kong analysis can now be had at 4s, 10½d. per lb. c.i.f., while 80-85 per cent. c.a., free from alcohol, is down to 5s. 6d. per lb. on the

CINNAMON LEAF is now quoted at 6s. 6d. per lb. on the

CTIRONELLA.—Ceylon is firmer at 1s. 9d. per lb. on the spot and 1s. 8d. per lb. c.i.f. Java is still at 2s. on the spot, though 2s. 12d. per lb. c.i.f. for shipment.

CLOVE, from first hands, is unchanged at 8s. 6d. per lb. for English distilled, but second hand parcels continue to

sell at less.

CORIANDER is tending firmer at 34s. per lb. c.i.f. and 38s. spot for Continental.

spot for Continental.

Geranium is on the easy side. Bourbon is now quoted at 18s. 6d. per lb. c.i.f. and is worth about 19s. 3d. on the spot. Algerian is in poor demand at 17s. per lb. on the spot and is offered at 16s. 9d. per lb. c.i.f.

Lavender is unchanged at 15s. to 15s. 6d. per lb. on the spot for 38-40 per cent. French oil. It is thought that when U.S. requirements are taken up a firmness will result.

Lemon.—Sicilian is easier again following the excitement over reports of the Mount Etna disaster. Information from a reliable source states that the total number of trees affected was about 60,000, which is equivalent to a loss of 75,000 lb. of oil. This is small in relation to the total production, but in view of the short crop it naturally gains importance. Quotations are far from uniform, and prompt shipment varies from 13s. 9d. to 14s. 6d. per lb. c.i.f. as to brand. New crop, for January shipment, is given from 13s. 13s. 9d. per lb. c.i.f. The spot value lies between 14s. and 15s. per lb. as to seller. and 15s. per lb. as to seiler.

LEMONGRASS is without interest at 3s. 1d. per lb. on the

spot and 2s. 11½d. c.i.f.

Mandarin is firm but unchanged at 27s. to 23s. per lb. on

Orange is easier again as a reaction to the rapid advance of last week. Sicilian on the spot is back at 19s. per lb., with shipment value at the same level. West Indian, the supplies of which are growing short, is quoted at 18s. per lb.

PEPPERMINI.—Japanese dementholised is easier at 7s. per lb. on the spot for Kobayashi/Suzuki. Shipment value, either October-December or January-March, is lower at 6s. 6d. per lb. c.i.f. American natural tin oil is also easier at 13s. 9d. to 14s. per lb. c.i.f. and 14s. to 14s. 3d. on the spot. Redistilled is quoted at 15s. per lb. c.i.f. and 15s. 6d. on the spot. H.G.H. is maintained at 19s. per lb. on the spot and 13s. c.i.f.

SASSAFRAS is unchanged at 3s. 4d. per lb. c.i.f. and 3s. 9d.

SASSAFRAS is unchanged at 3s. 4d. per lb. c.i.f. and 3s. 9d. per lb. on the spot for natural American.

per lb. on the spot for natural American.

SPEARMINT is unchanged but more active at 19s. per lb. on the spot and 18s. per lb. c.i.f.

WORMSEED (CHENOPODIUM) is lower at 8s. 3d. per lb. c.i.f. and 10s. 3d. on the spot. These quotations are almost at pre-war level, and in view of the increased cost of labour, the turning point seems near at hand. In 1391 the value was 6s. to 7s.; in 1901, 5s.; in 1911, 15s. to 16s.; and in 1915, 3s. 6d. to 9s. 6d. per lb.

The following arrivals have taken place from the countries indicated during the period November 23 to December 4 (inclusive):—Anise (Ch.), 20 cs.: bergamot (It.), 10 cs.; cirnamon (Cey.), 1 cs.: citronella (Jv.) 10 dm., (Cey.) 35 dm.; eucalyptus (Aust.), 375 cs. 26 dm.; geranium (Fr.), 1 dm.; juniper berry (Ger.), 1 cs.; conange (It.), 6 cs.; palmarosa (Br. Ind.). 2 cs.: patchouli (Strs.), 2 cs.; peppermint (Jp.), 90 cs.: rose (Fr.), 1 cs.; rosemary (Sp.), 6 dm.; rosewood (Ger.), 5 dm.: sandalwood (Aust.), 37 cs. 2 dm.; vetivert (Fr.), 4 cs.; undescribed (Ger.) 1 cs., (Fr.) 5 cs.

Pharmaceutical Chemicals, etc.

There is little change of importance to record, with prices fairly steady. Business has been fair but on limited-sized orders. Amidopyrin is rather cheaper and phenazone steadier.

ACETANLINE continues to be quoted from 1s. 42d. to 1s. 6d. pcr lb., with the market still slow.

AMIDOPYRIN is easier and business has been fair: quoted

from 7s. 6d. to 7s. 9d. per lb.

ASPIRIN.—The usual amount of business has been done, with the market steady at about 2s. 3d. to 2s. 6d. per lb. as to quantity. There seems to be no increase in the activity foreign makers.

BARBITONE is about steady at 5s. 8d. to 5s. 10d. per lb.;

business has been limited.

BENZOIC ACID has been quiet of late, but prices are steady: quantities from 2s. 04d. to 2s. 1d., ex works; smaller parcels, 2s. 2d. per lb., ex store.

BENZONAPHTHOL is steady at last week's better prices of 2s. 11d. to 3s. per lb. for small parcels.
BISMUTH SALTS are steady at unchanged Convention prices:

carbonate, 9s. 9d.; subnitrate, 8s. 3d. per lb., in cwt. lots. Browness are unchanged, while business has continued on rather restricted lines; dealers quote: ammonium, ls. 11d.; potassium, B.P. crystals, ls. 7½d.; granular, ls. 7½d.; sodium, B.P., ls. 10d. per lb. for quantities, in cases. British makers' list prices are unchanged; ammonium, 2s. to 2s. 3d.; potassium, B.P., Is. 3½d. to Is. 11½d.; sodium, B.P., Is. 11d. to 2s. 2d. per lb. as to quantity.

CALCIUM LACIMIE continues at level figures, with business fair: quantities from 1s. 2½d. to 1s. 3½d. per lb. for small parents.

CHLORAL HYDRATE remains dull, but prices are steady as

ovoted at 3s. 14d. to 3s. 3d. per lb. as to quantity.

CITRIC ACID.—There is nothing fresh to add to our recent CITRIC ACID.—There is nothing fresh to add to our recent comments on this market: spot prices of foreign crystals (P.P.) are from 2s. 3d. to 2s, 4d. per lb., less 5 per cent., while the forward position continues undefined.

COCAINE and SALIS are unchanged as reported last week.

CREOSOTE (P.P.) is of small interest: quotations are at about 1s. 3d. per lb.

CREOSOTE CARBONATE continues quiet, with spot offers at about 5s. 10d. to 6s. per lb.

GUALACGI CARBONATE shows no change on a quiet market at 4s. 6d. to 4s. 8d. per lb.

HEXAMINE.—A fair amount of business continues, with free-running crystals steady at 1s. 11d. to 2s. 1d. per lb. as to quantity.

HYDROQUINONE remains quiet: controlled prices are unchanged at 3s. 7½d. to 4s. 6d. per lb. as to quantity.

LACTIC ACID continues at agreed prices, with business fair:

quoted from 1s. 62d. to 1s. 102d. per lb. as to quantity.

METHYL SALICYLATE (B.P.) is steady, but there is not much business moving: quoted from 1s. 4d. to 1s. 6d. per lb. as to quantity, in carboys.

METHYL SULPHOYAL is steady at from 8s. 9d. per lb. PARAFORMALDEHYDE has been quiet for some time past: 100 per cent. powder, in kegs, from 1s. 7d. per lb.; small parcels, from 1s. 8d.

PARALDEHYDE remains dull: quoted from 1s. 1d. to 1s. 3d. per lb. as to quantity and packing.

PHENACETIN.—This market continues keenly competitive, while business is none too brisk: quoted from 2s. 3d. to 5d. per lb. as to quantity.

PHENAZONE is steadier at last week's prices of 5s. 7d. to 5s. 8d. per lb. as to quantity; business has been moderate. PIPERAZINE is steady as quoted from 1s. 10d. to 2s. per oz.

POTASSIUM METABLSULPHITE is cheaper at 6d. per lb. for crystals in one-cwt. kegs.

POTASSIEM PERMANGANATE (B.P.) continues at from 51d, per

lb., in drums; small parcels, from 6d. per lb.
RESORCIN is holding at last week's reduced prices of 2s. 8d.
to 2s. 10d. per lb., the lower price for quantities; business

SALICYLIC ACID (B.P.) continues unchanged on a steady market at 1s, 3d, to 1s, 6d, per lb, as to quantity.

SALOL continues steady at controlled prices of 2s. 3d, to

2s. 6d, per lb., with business only moderate.

SODITM BENZOATE (B.P.) has been quiet for some time: prices for quantities, in two-cwt. barrels, 1s. 71d.; smaller parcels, about 1s. 8d. per lb.

SODIEM SALICYLATE (B.P.).—Business has been on limited lines of late, but prices are steady: large quantities of crystals at 1s. 7d.; powder at 1s. 6d. per lb.. in ases; about one penny more for small parcels.

SULPHONAL is rather easy for any quantity on spot at 6s. 6d. per lb.; market quiet.

TANNIC ACID.—B.P. leviss is steady, with quantities, in kegs, at about 2s. 10d. per lb.; small parcels, about 3s. per lb.

TARTARIC ACID (B.P. crystals) have continued steady, with spot prices unchanged at 1s. 44d. to 1s. 42d. per lb., less 5 per cent for foreign

spot prices unchanged at 1s. 4½d. to 1s. 4½d. per lb., less 5 per cent. for foreign.

Terpin hydrate is offered on spot at 1s. 6d., and quantities to come forward from 1s. 5d. per lb.; market is dull.

Thymol remains quiet: synthetic, fine white, 9s. 6d., in cwt. lots; ex ajowan seed, about 11s. 3d. per lb.

Vanillin is quiet: 100 per cent. from cloves is quoted at 17s. to 17s. 6d. per lb.; ex guaiacol, 15s. to 15s. 6d. per lb. Buyers presumably hold off in the hope of lower prices from English makers. Such a move, however, is improbable, having regard to the continued firmness of cloves.

Industrial Chemicals, etc.

London, December 5.

Business has been moderately good during the past week. The general tone continues steady and there is again little change to report.

ACETIC ACID is fairly bright, with prices unchanged: 80 per cent technical, £36 15s.; 80 per cent, pure, £37 per ton, in barrels; glacial, pharmaceutical, 99 to 100 per cent., £66, in glass demijohns; glacial, in barrels, £56 per ton, ex store.

ACETONE continues firm and in good demand; from January 1, 1929, pure acetone, experted is and formestation.

January 1, 1929, pure acetone, synthetic and fermentation acetone will be liable to key industry duty: B.G.S., in drums, ten-ton lots, £74 10s.; five-ton lots, £75 10s.; one-ton, £76 10s.; less than a ton, £77 10s., ex store.

ALUM is steady but quiet: lump, in casks, £3 7s. 6d. per ton, ex store; slightly less forward in quantities.

AMMONIUM CHLORIDE continues in quite good demand, with dealers quoting grey galvanising from £21 5s. per ton, in casks, ex store; slightly less for contracts.

ANHYDROUS AMMONIA has been quiet but steady: 99.95 per cent., in loaned cylinders, 10d. to 1s. per lb., carriage paid; slightly less for big contracts.

ARSENIC is reported as being very slow, and Cornish white powdered is now quoted down to £16 5s., f.o.r. mines, for 5 to 10-ton lots.

BARTUM CHLORIDE is fully maintained at £11 10s. per ton, in casks, ex store, for 93 to 100 per cent. prime white crystals; supplies are very short; forward, from £9 10s. f.o.b. Continent, March shipment.

BLEACHING POWDER is steady at from £6 12s. 6d. to £7 per ton, carriage paid, for 35 to 37 per cent. available chlorine.

COPPER SULPHATE.—The export market continues firm and there is a fairly active demand for near and forward shipment. The large makers are quoting £26 10s. up to £27 per ton f.o.b. for casks, less 5 per cent.

CREAM OF TARTAR seems to have been in a little better request, with most sales of foreign powder at about 93s. per cwt., less $2\frac{1}{2}$ per cent.

FORMALDEHYDE continues in fair demand, with dealers' prices for 40 per cent. by volume steady at £36 per ton, in casks, ex store,

FORMIC ACID has received fair inquiry at £46 to £46 12s. 6d.

FORMIC ACID has received fair inquiry at £46 to £46 12s. 6d. per ton for 85 per cent., in carboys, cx store.

Isopropyl Alcohol remains rather slow of sale, with prices for reliable make at 11s. to 12s. per gallon, in drums. Lithopone is steady, and fair forward business is being done: 30 per cent. Continental red seal, £19 15s. per ton, in casks, ex store; slightly cheaper for contracts.

Oxalic acid is moving in good volume, with the market well maintained: quantities from £30 per ton, ex wharf; ewt. lots. 33s. ex store.

cwt. lots, 33s, ex store.

POTASH CAUSTIC is steady under Convention prices, but business is slow: 88 to 92 per cent. solid, spot, less than one ton, £36 15s.; one to five tons, £33 5s.; five to fifteen tons, £32 15s., in drums, ex store; 30s. per ton less c.i.f. in

POTASSIUM CARBONATE is very slow of salc: 90 to 92 per cent., £25; 96 to 98 per cent., £26 per ton, in casks, ex store; slightly cheaper forward.

POTASSIUM CHLORATE has been showing more life: quantities to arrive, from 2 d.; spot parcels, from 3 d. to 3 d. pcr lb., ex store.

POTASSIUM PERMANGANATE is steady, but business is trifling: quantities, in drums, from 5td, per lb., cx store.

POTASSIUM PRUSSIATE has been moving fairly well: quanti-

ties, from £63 10s. to £65 10s.; single casks, 7d.; small

parcels, 72d. per lb., ex store.

SODIUM ACETATE continues firm on spot, with practically nothing available: quoted from £21 12s. 6d. per ton, in casks, ex store; cheaper to come forward for March ship-

SODIUM CHLORATE is steady and in better inquiry: quantities from 23d. ex wharf; spot parcels, from 3d. to 34d., ex

SODIUM HYPOSULPHITE is steady on a slow market: dealers quote pea crystals at £15 to £15 2s. 6d. per ton, in one-cwt. kegs; commercial, £9 10s., in casks, ex store. makers' price for pea crystals to home consumers on contract, £15, carriage paid to buyer's station.

SODIUM NITRITE is steady but quiet: quoted at about £73 178. 6d, per ton and 20s. 6d, per cwt., docks, London.

SODIUM PRUSSIATE is moving fairly we'll on a steady market: quantities, 4½d, to 4¾d.; smaller parcels, 5d. to 5½d, per lb., ex store.

SULPHUR.—There is a fair steady demand and the tone is maintained: quotations for American crude 99 per cent. are £5 12s, 6d. to £5 17s. 6d., and refined is as follows: Sicilian flowers £12 7s, 6d., refined ground £11, and roll £9 15s., all c.if. to arrive.

COAL-TAR PRODUCTS, ETC.—Generally quiet markets continue, with little or no change in quoted prices to record.

Aniline oil is steady at from 8d. per lb., packages extra, carriage paid. Aniline Salt continues quiet: quoted from ANLINE OIL is steady at from 8d, per ID., packages extra, carriage paid. ANILINE SALT continues quiet: quoted from 8d. per Ib., packages extra, carriage paid. BETANAPHTHOL is unchanged on a quiet market: from 10d. per Ib., carriage paid. CARBOLIC ACID (ice crystals).—The market continues firm with prices at about the same level; demand is quite keen and suppliers are sold well into the coming year. CRESYLIC ACID.—The rock-bottom figure mentioned last week for pale now appears on the low side. as business is now CRESYLIC ACID.—The rock-bottom figure mentioned last week for pale now appears on the low side, as business is now being booked on the lowest basis of about 2s. 4d., except in isolated cases, where exceptionally large quantities are involved. Less important business would not be booked much under 2s. 5d. naked, ex works. CREOSOTE OIL remains slow and unsteady: ex works, 5½d.; f.o.b., 6½d. per gallon, in bulk quantities. NAPHTHALENE is slow of sale: imported flakes and balls, £15 10s. per ton, in cases, ex wharf. METHYL ALCOHOL continues in good demand, with the market steady: on spot, £45 per ton, in drums, ex store; cheaper forward in quantities. Pyridine remains nominal at about 4s. 6d. per gallon, f.o.b. Toluol is unchanged on a quiet 4s. 6d, per gallon, f.o.b. Toluol is unchanged on a quiet market: commercial 90's, 1s. 7d.; pure, 1s. 10d. per gallon, at works. XYLOL remains dull: commercial, about 1s. 7d.; pure, about 1s. 92d, per gallon at works. PITCH is urchanged, with the market quotations at 38s. to 39s. per ton, f.o.h. East Coast.

Fixed Oils, etc.

PALM OILS show a sharp recovery and close firm. American PALM OILS show a sharp recovery and close firm. American turpentine has maintained its recent improvement. Linseed oil is lower on the week. Cotton oils are cheaper. Rape and soya oils are easier. ACID OILS are quiet and quoted prices are about unchanged: coconut and/or palm kernel, 36s 3d.; ground nut, 31s, 6d.; soya. 28s, 6d. spot. Castor remains quiet: pharmaceutical, 49s.; first pressings, 44s.; second pressings, 41s, 6d. per cwt. spot, in barre's, in not less than one-ton lots. Coconut is dull and slightly easier: deodorised, spot, 45s, 6d.; Ceylon, 38s, 6d. c.i.f.; Cochin, 51s. c.i.f. Cotton has been dull and is easier: deodorised, 40s. 6d.; common edible, 38s. 6d.; soapmaking, 35s. 6d.; crude, 33s. spot. Ground Nut is dull and unchanged: deodorised, spot, 46s.; crude Oriental, 41s. c.i.f. Palm Kernel is quiet: deodorised, about 44s. 6d.; crude, 40s. spot. Palm shows a sharp recovery from recent weakness and closes firm at much higher prices: Lagos, 39s. 6d.; softs, 38s. 6d.; mediums, 38s. 6d.; hards. 38s. 6d.; bleached, 41s. 6d. spot. Rape is easier on a quiet market: refined, 45s.; crude, 43s. spot. Soya is slightly easier: deodorised, 40s.; crude, 35s. 6d. spot. Linseed (raw, naked) has been dull and is quoted easier for all positions; on spot, 29s. 6d.; dull and is quoted easier for all positions; on spot, 29s. 6d.; December, 28s. 6d.; January-April, 28s. 6d.; May-August, 28s. 7½d.; September-December, 29s. Boiled oil, spot, 33s, 9d. Hull, on spot, 29s. 3d.; December, 29s. 3d.; January-April, 28s. 9d.; May-August, 28s. 7½d. Turperstrike has not been quite so active and prices fluctuated somewhat in sympathy with American cables, but sellers are not pressing business at current prices which show practically pressing business at current prices, which show practically no change as compared with a week previous. The London spot price closes at 48s. 9d.; January-April, 49s. 6d. per ewt. Deliveries for last week were 1,424 barrels, making a total since January 1 of 96,030 barrels, against 10,303 barrels, for the corresponding position to the corresponding position of the barrels for the corresponding period last year. Stocks were 31,397 barrels, which, including the landings and affoats, make the London visible supply 40,247 barrels, comparing with 59,850 barrels at the same date last year. RESIN with 59,850 barrels at the same date last year. RESIN steady throughout, but not a great deal of business doing on the spot. C.i.f. terms for American grades for shipment stand as follows: B 19s, 7½d. D 19s, 9d., E 19s, 10½d., F.G. 20s., H to I 20s. 1½d. to 20s. 3d., K to M 20s. 6d. to 20s. 9d., W.G. 23s. 3d., and W.W. 25s. 9d. Terms ex wharf are fully 9d. per cwt. more: WOOD.—Hankow, in barrels, is dull at 74s. per cwt. spot.

LUBRICATING, MINERAL, BURNING OILS, ETC.—A slightly better volume of business is moving in some articles, while prices continue steady. Lubricating oils are firm on spot and tend to advance. Benzol is bright, with prices well maintained: standard motor, from 1s. 6d. per gallon, cx works, in tank wagons; ex London works, 2d. per gallon niore. Paraffin wax and scale.—Market has been quieter: wax is quoted from 3d. to 5d. per lb., according to melting point, in bags; scale is offered for shipment at about £25 5s. per ton, c.i.f. U.K. PARAFFIN OILS continue unchanged (see C. & D., p. 629). WHITE OILS also continue unchanged. PETROLEUM JELLIES.—Business has been better and market is steady: white to snow-white, £39 to £48 10s.; amber and yellow, £18 10s. to £22; dark stiff green, £11 17s, 6d, per ton, barrels free, ex wharf. LUBRICATING OULS.—The spot position is now firm and tends to advance; shipment quotations are think to the contraction of the contract tions continue at high rates: spot, pales, £9 15s. to £22; reds, £11 to £21 10s.; dark cylinders, £11 15s. to £28; filtered cylinders, £17 15s. to £29 per ton, less 2½ per cent., ex wharf; slightly less for tank lots.

New Zealand Kauri Gum

THE "Auckland Star" reports that A. C. McArthur & Co., Ltd., have made their first shipment to Auckland of four tons of kauri gum extracted by evaporation process, using overproof alcohol, from kauri limbs and roots at their Babylon works. The product was shipped in drums. This marks the introduction of the scientific method of extraction of kauri gum from roots, which under ordinary circumstances would have been burnt when swamps are being drained for agricultural purposes.

Tanganyika Beeswax

THE Department of Agriculture intimates that the export of beeswax from Tanganyika Territory for the nine months ending September 30, 1928, was 6,893 cwt., valued at £49,769. This represents an increase of 551 cwt. in quantity and This represents an increase of 551 cwt, in quantity and £2,508 in value on the figures for the corresponding period of 1927. The total export for 1927 was 11.169 cwt. With the increase now recorded maintained, the 1928 figure should approximate 12,000 cwt. The highest export recorded for the Territory was 13,266.8 cwt. in 1927. Inquiries by commercial houses are invited; they may be sent to Mr. Archibald H. Ritchie, Entomologist, Entomological Laboratory, Morogoro, Tanganyika Territory.

Jamaica Pimento

Jamaica Pimento

Tuis spice held the fourth place, in point of value, in Jamaica's export trade for 1927, when total exports amounted to 986.444 lb., valued at £265,308. France and Germany between them took 70.2 per cent, of the exports. The United States took 21.6 per cent... and the United Kingdom is represented by 5.6 per cent...—245,374 lb., valued at £6.787. Jamaica is about the only part of the world that produces pimento, and the crop varies considerably in volume from year to year. The prices realised also fluctuate. The value per lb. in 1924 was nearly double that of 1910-12. while the 1927 value per lb. was more than twice that of 1924. that of 1924.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

Affixing Posters and Bills

STR.-Pharmacists who make an occasional display of posters on their windows are often careless in the matter posters on their windows are often careless in the matter of affixing them. Anything of the kind, if it is to achieve the best effect, is worth doing well. Often the display is an offence to an observer. Thus, if I may be allowed to make the suggestion, the bill or poster should be set on straight and without racks, big air cavities or uneven edges. There is of contract the contraction of the contract of the co uneven edges. There is, of course, no necessity to paste the bill entirely; the paper should be damped all over and uniformly with a wet sponge, and paste applied to the edges only to an even depth of one or two inches. The result is a quite clean and flat effect, perfect adhesion, so to speak, and quick drying. Until really soiled the bill looks well, and finally is easily removed with a minimum of knife work. Just as photographs are improved in appearance by fixing face down to a glass plate, so may printed bills and other notices incidental to one's own business, especially if in colours. Instead of cards displayed about the shop until fly-marked and otherwise soiled, they could be mounted behind a piece of glass.—Yours, etc.,

EMERITUS (26 11).

Running a Business

Sns.—In the recent address given by Mr. C. W. Gosling (C. & D., November 17, p. 610) he put forward some statistics showing the increase in the number of pharmacists and doctors compared to the increase in population. This may mean, as he said, that possibly the nation can afford a better service, but it also means that there are very many more men qualified to do the work, and to my mind it seems that we are fast reaching saturation point. Trade unions take steps to prevent overcrowding of their trades by limiting the number of learners or apprentices, so why should not pharmacists do the same? With regard to the pharmacist combining in his own person the three functions of management, operative tasks and administration, in the larger number of cases he is compelled to do this. The average pharmacy is a small concern; the staff usually consists of the proprietor and one or two assistants at most, and the pharmacist has to take his share in the daily rontine in order to cope with the work. It is not snrprising, therefore, that actual administration is liable to take a back place in his mind. If he were in a position to sit at his desk or in a private office and issue his orders as is done in a large concern, he might be able to concentrate his mind on a definite policy of administration and leave it to his employees to attend to the details, but unfortunately this is not possible.—Faithfully yours,
Torus in Parvo (26/11).

The Training of Apprentices

STR.—While reading the report of the interesting address on the training of apprentices, given by Mr. Mackie to the West Ham Association (C. & D., November 24. p. 634), it struck me that there was nothing in it about the actual methods of training apprentices. I appreciate the point he raised about there being now least five distinct groups of pharmacists, and it is obvious that what would be an adequate apprenticeship for any individual group would be of little use for any of the others; but by far the greater number of entrants to pharmacy come in with the idea of entering retail business. It seems a little difficult at the outset to reconcile all these different brauches; but it should be done, and I think most of the objections could be overcome by allowing a youth to be apprenticed to the wholesale and to take his examination qualifying him to become a member of the Society, but with the reservation that he could not practise pharmacy in an open shop until he had completed the requisite number of hours in a retail business; for a wholesale apprentice that part of the examination which deals with practical dispensing could be taken in making galenicals and testing, and if he wished afterwards to enter the retail he could take a supplementary examination in dispensing and prescription-reading. But as a retail pharmacist, what I should have liked to see under such a heading was not so much where and when a boy should be trained, but more particularly how he should be trained. At the end of twelve months' methodical work and proper training he ought to be proficient enough to take an active part in the daily work of the shop, and from then onwards he can be instructed in the more complicated duties.—Faithfully yours,

TRAINAPP (3 12).

Parliamentary Representation for Pharmacy

SIR.—We are now getting within measurable reach of the General Election. All we know at present is that the election will come some time next year. By then another five years will have passed without any direct representation of pharmacy in the Honse of Commons, and—unless the business is dealt with very soon—with a prospect of no direct representation in the new House. I should be the last to forget the generous help that has been given to the interests of pharmacy by several non-pharmacentical members—but no amateur assistance. however enthusiastic, can compensate for the absence of direct representation such as we had when the late Sir William Glyn-Jones was in the House. Why has so long a time been allowed to elapse without a determined effort once more to secure direct representation for pharmacy? We know that ample funds are available to run a candidate and support him if successful-have, indeed long been available. It has always been an accepted axiom that a representative pharmacist must obtain his seat by the favour and good offices of the political party to which he belongs. That was facilitated by the Liberal party, when they held the reins of power, in the case of Mr. (afterwards Sir William) Glyn-Jones, and again in that of Mr. Woolcock. Again, in the old days, Sir Richard Winfrey, who sat as a Liberal member, supplied direct (though unofficial) representation. But official Conservatism seems unwilling to afford any such facili-ties. The Conservative Central Office can always engineer an invitation for anybody for whom they want to secure a seat; and it looks as if official Conservatism does not regard the chemist and druggist as worth tronbling about. Pharmacy at the present time is suffering from—shall I say?—too much conciliatory leadership. The fact may well be recalled that when Mr. Lloyd George introduced his scheme of National Health Insurance, the many thonsands of chemists scattered all over the country, no less than the doctors and the nursing profession, stood by him and exercised an influence the extent of which has probably never been fully recognised. When any question affecting the interests of chemists becomes acute, let it not be forgotten that, should the occasion arise, committee rooms are available in every constituency in the land from which quiet influence may be radiated to an extent that may very well prove effective in turn-ing the scale in whatever direction may seem desirable. But there are other possibilities. Pharmacy is not with-out potential candidates fit to run as independent Con-servatives. The interests of the retail trader are being seriously affected by the trend of legislation at the present time. A combined retail traders' effort to enlighten the people might disclose new factors in the future of elec-tioneering in this conntry. But it will need strong, wise leadership. Why should not pharmacy—the most highly educated of all the trading professions—provide that leadership?—Yours, etc., NE TIMETE (23 11).

Insurance Dispensing Contracts

SIR;-Your contributor "Cerium" (C. & D., December 1, p. 672) says that the question arises whether panel chemists are satisfied with the present terms: apparently they are, for although we hear plenty of complaints about discounting, and so on, there is no sign whatever that chemists as a body wish to discontinue the service, or even to make any concerted attempt to obtain adequate payment. With regard to our right to a revision of the terms before Jannary 1 next, there is, so far as I am aware, no indication that we shall ask for any such revision, or the R.P.U. on our behalf. "Cerium" also says that there will probably be a total discount of about 4 per cent. on the whole accounts for this year; if this statement is to be read as it is written it means that there will be a discount of approximately 8 per cent. on our dispensing fees; but Mr. Mallinson said at the Western Pharmacists' dinner that 97½ per cent. payment was in sight, that is, 2½ per cent. off the total amount or 5 per cent. off the fees. This is hardly good enough to warrant an acceptance of a further four years without making some effort to get a definite guarantee that we shall not lose any more money over the work. We may not be so fortunate in the circumstances next year, and if the discount turned out to be very much higher we shall then have no right to reopen the question unless the loss is for two consecutive years. The term "consecutive" must be noted in this connection.

Yours, etc., Oxalate (3/12).

SIR,—" Cerium" asks whether we may not fairy expect a new offer from the Ministry of Health, to its tried and be spontaneous, or is he asking that our appointed leaders should, as provided for, ask for a revision of terms? The present arrangement is a demonstrated failure in anything like a heavy season, and all the signs go to indicate a heavy call on the drug fund in the approaching We may have abandoned all hope of seeing anything of the amounts already lost by discounting, but, for the sake of the future of pharmacy, we should take the opportunity now open to endeayour to obtain terms which will make Insurance dispensing a self-supporting part of our business. A State "spending department" may be instructed to keep within certain limits in any one year; but if that limit is exceeded, are salaries reduced to belong? That is textured. to balance? That is taxpayers' money; but a large body of those have also put up funds which are not quite in the same category, and it is manifestly absurd to say of this fund, "You must not spend more than so much on drugs and dispensing fees, but there is no objection to your 'surplus,' in another section of the fund, being used to give 'extras' in the way of optical and dental benefits." Panel dispensing, considered as a separate feature of our business, simply does not pay. The only efficient alternative would be an elaborate system of State dispensaries, whose founding and running costs would positively scare the Treasury. Any possible makeshift which might be adopted could only react to the advantage of pharmacy as a business, the more so if retail chemists had no part in such a scheme. There is a wide gulf between the cost of the present system, with, say, a ninepenny dispensing fee, and the cost of an elaborate State system of district dispensaries. In putting forward a reasonable proposition, we are met with the bald statement that the money simply is not there. This should be countered by a firm question:—What would any alternative scheme, leaving out chemists, cost the State? The present absurd position, in which private traders, in addition to paying taxes, are required to subsidise a State service, has surely gone on long enough.—I am, etc.,

The Value of Window Space

SIR.—In endorsing all Mr. Tranmer's remarks, may I mention that the late Mr. G. E. Marfitt and myself have always endeavoured to bring this matter of "Value of Window Space" to the notice of proprietary manufacturers? We considered that window space should be paid for in the same manner as Press advertising: and if only chemists will adopt this policy of getting value for window shows, the proprietors will quickly fall into line. From a maker's point of view is it not worth allotting a portion of their advertising quota to the payment of window displays?—Yours faithfully.

H. A. Martin.

Leicester.

Ferri et Ammonii Citras and Magnesii Sulphas

STR,—The frequency with which ferri et ammonii citras is dispensed with magnesii sulphas, compled with the fact that a precipitate often forms in the mixture,

has given rise to demands in many quarters for ferri ammon, cit, to stand the "mag, sulph," test. There is perhaps a mistaken idea that the "mag, sulph," test is This, of course, is not so, for officially the "mag, sulph." test has no existence, neither apparently is there a general standard test, even an unofficial one. This is unfortunate, since it will be found that however carefully the manufacture of this compound be conducted, if the evaporation of the solution to the scaling point be conducted with strict regard to the maintenance of alkalinity as directed by the Pharmacopæia, the product resulting will, when dissolved at some concentrations. give a precipitate with magnesium sulphate. Generally speaking, however, concentrated solutions of ferri ammon. cit. and mag. sulph. remain clear when mixed, but precipitate on dilution; dilute solutions give an immediate precipitate unless the manufacture has been conducted regardless of the B.P. instructions, and a definite degree of acidity maintained. Disregarding all this. however, a point to be noted is that should trouble from this cause arise (that is, a mixture of ferri ammon. cit. with mag. sulph.) with an otherwise reputable sample of ferri ammon, cit., it can be easily remedied by addition of a small amount of civric acid, which at once clears up the solution. We thought the above might be worth inserting. . . . —Yours faithfully,

THOMAS TYRER & CO., LTD., T. TUCKER, General Manager.

London, E.15.

[With this letter may be compared the paper presented by Mr. G. J. W. Ferrey at this year's meeting of the British Pharmaceutical Conference (C: & D., July 28, p. 121).—Editor.]

Legal Queries

P. L. W. (5 812).—There are no restrictions on the sale of iodised throat tablets, provided they do not contain a scheduled poison. The use of this title by itself does not render the article liable to medicine-stamp duty.

T. W. P. (9 10).—The name of the actual proprietor of the business must be registered under the Registration of Business Names Act, 1916, and it is his name which must appear on all business stationery. Since the actual proprietor would not be a qualified chemist, it would be illegal to carry on the business of a chemist and druggist in the way you suggest, i.e., by acting as manager of a business belonging to an unqualified person who is registered as the actual proprietor.

Lac (19 10.—With regard to the label submitted by you for "full cream dried milk." we assume that the dried milk in question conforms to the standard laid down by the Public Health (Dried Milk) Regulations of 1925 as amended by the Public Health (Dried Milk) Amendment Regulations, 1927. If not, its sale under the label "Full Cream Dried Milk" is illegal. The form of the label does not comply with the form prescribed in Section 4 of the Amendment Regulations of 1927, which you should consult. The necessary words, "This tin contains the equivalent of . . . pints of milk" are missing, and there is no surrounding line.

Iron (1, 612) has been tenant of a house and shop since 1914. There is no lease or agreement, and he has remained in possession under the protection of the Rent Restriction Acts. His landlord has done no inside repairs since the tenancy started, and the premises are now in a bad state of repair. How can "Iron" bring pressure to bear upon his landlord to make him either do the necessary repairs or sell the premises to "Iron" [If the rent of the premises has been increased under the provisions of the Rent Restriction Acts and "Iron" can get from the local sanitary authority a certificate that the premises are not in a reasonable state of repair, he is entitled to withhold payment of the increase of rent until such time as the landlord has put the premises in a proper state of repair. Otherwise he has no remedy against the landlord nor can he compel his landlord to sell the property to him.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

G. W. (24/9).—An investigation into chemists' accounts carried out in 1915 showed the net profit to be between 9 and 10 per cent. However, no definite figure is available, and at the present time the above average is probably too high.

E. H. D. (4/10).—Blood pressure mixture.—This is a colourless alkaline mixture of pleasant odour, containing aromatic spirit of ammonia and six per cent. of potassium bromide. There is no evidence of any other ingredient.

 $L.\ W.\ B.\ (8/10).$ —Dandruff lotion.—This is described as a general hair tonic and cleanser for scurf and dandruff, and is used on the brush. It appears to be merely a solution containing a little salicylic acid (say 3 grains to the ounce) and glycerin (say 10 minims to the ounce), with a little perfume.

S. C. H. (29/10).—Anti-abortion powder for cattle.

This is a dark-brown powder consisting essentially, apparently wholly, of ferric oxide and copper sulphate. Phenolic bodies are absent.

W. R. H. (29/10).—Hair-darkening bay rum.—This can be prepared by adding 10 per cent. of resorcin acetate to ordinary bay rum.

S. C. (10/11).—(1) SWEATING OF GALVANISED IRON.—The method usually adopted for treating the under-side of galvanised sheets to prevent "sweating" is to use small granules of cork such as are used for packing grapes and other goods. Sometimes the cork is mixed with paint and applied to the surface of the sheets in that way; but a better plan is to use thick, tacky paint, apply it to the surface and bespatter it with the cork granules. Nowadays, asbestos corrugated or flat sheets are often used in place of galvanised sheets, and it is possible to obtain metal sheets with a covering of asbestos or felt on both sides.—(2) BOOK ON TREATMENT OF DOGS.—Barton's "Kennel Encyclopædia" (Virtue, 35s.).

J. J. F. (26/11) asks what is the disease and treatment of fowls which have developed black spots on the combs and seem to be nearly blind. [The birds are suffering from disease of the liver, probably coccidiosis. There is no cure, but preventive measures can be adopted by killing all the affected birds and burning the carcases. Isolate the suspected and remove the others to new and shelters, burn all loose fittings. Clear off at least one foot of soil from the surface of the run and scatter chloride of lime, or any other powerful disinfectant, freely over the surface, say, two or three times at intervals of two or three months. Keep birds off for twelve months. When the disease is first seen any of the following can be given in the drinking water; ferri sulph; tinct, ferri perchlor; sod. salicyl; pot. permang.; sod. hyposulph. The cause is supposed to be keeping the birds too long on a dirty and infected run or surroundings, and when one falls a victim to the disease it soon affects the others.]

W. S. (28/11),—VITAMIN MALT.—It would be advisable to procure a malt extract that had not had the vitamin B destroyed during the process of malting. A and D are best added in the form of the unsaponifiable fraction of cod-liver oil left after complete saponification of the oil. Ostelin contains Vitamin D only, and the process by which it used to be extracted from cod-liver oil did not extract the Vitamin A also. The complete saponification process is the one that extracts both the vitamins. As regards Vitamin C, that is best added in the form of concentrated orange juice.

H. F. H, (17/118).—COUGH CANDY.—

Granulated sugar ... 9 lb. 5 lb. Brown sugar .. Liquorice paste Tartaric acid... $\frac{1\frac{1}{2}}{1\frac{1}{2}}$ lb. $\frac{1}{2}$ oz. Ipecacuanha powder oz. Tinct. of tolu ...
Oil of peppermint ...
Cream of tartar 1 oz. ½ OZ. ... Water 4 pints $X.\ Y.\ Z.\ (9/10).$ —Sheep dressing.—This is a pale yellow oil having an odour of wood creosote. It appears to consist essentially of liquid paraffin. The specific gravity is 0.892.

V. H. (23/118).—(1) Spirit GUM.—This is prepared as follows :-

Resin ... ½ oz.

(2) We can find no evidence in favour of the use of a powder or tablet containing guaiacum and aspirin for renal calculi, and pharmacologically there seems no reason why it should be of any use.

Flora (23/118).—PRESERVING CUT FLOWERS.—Among the various methods proposed are: (1) the addition to the water of a small quantity of aspirin; (2) the addition to the water of common salt, potassium nitrate, sodium carbonate and ammonium chloride. An alternative method is to dip the flowers in a solution of paraffin wax in benzin or petrol.

B. V. J. (26/118).—Douglass mixture for poultry.—The formula referred to in the C. & D. Retail Price List is that given in "Veterinary Counter Practice," as

Ferri sulph. Aquæ ... Solve et adde Ac. sulph. dil. 5j.

One teaspoonful of this mixture is put in each quart of drinking water.

J. W. C. (28/118).—DISHORNING CATTLE.—This subject was dealt with in the "Veterinary" issue of the C. d D.(October 13, p. 457).

P. L. W. (1/128).—BLEACHING TRIPE.—The English method of tripe-dressing, which includes bleaching, is as follows: Take three buckets of boiling water and add a little soda (sodium carbonate) and one pail of cold water in a tub. Throw the tripe into this and stir with a stick until all the dirt comes off. Take the tripe out of the tub, hang it on a hook and scrape with a very blunt knife until it is quite clean. Now rinse the tripe well in fresh cold water, then place it into a copper with about five gallons of water. Add 2 oz. of alum to the water and boil until the tripe becomes quite tender. Remove from the copper and place in a stream of fresh cold water or into a large quantity of water, with frequent stirring. When it is quite cold take it out and remove the thin inside skin and also trim it. Then place the tripe in a bath of cold water containing 10 per cent. of bisulphite of lime, and remove for sale or use. As tripe is not included in the articles of food in which preservatives are allowed (C. & D. Diary, 1927, p. 262), the use of the last-named chemical is illegal if the tripe is offered for sale.

Retrospect of Fifty Years Ago

Reprinted from The "Chemist and Druggist," December 14, 1878

Lecture on Electric Light

An announcement had been made that a lecture would be delivered by Mr. James N. Shoolbred, B.A., Mem. Inst. C.E., "On the Practical Application of Electricity to Lighting Purposes," and it was further understood that there would be a competition between the rival inventors. Long before the usual hour of eight o'clock, a dense and, indeed, an angry crowd besieged the Hall of the Society of Arts. Outside, an electric lamp threw a vivid light on the opposite buildings, giving an appearance of white marble to the spot where the rays fell, and leaving the rest in absolute darkness. A curious effect was thus produced, not unlike a magnified spectrum. Inside the entrance hall another lamp, naked, was enough to blind the visitors, and made a buzzing noise which was distressing. When we with difficulty got in, a member was declaiming his gricvances to a struggling audimember was declaiming his gricvances to a struggling audierce, and adverted in no measured terms to the fact that he had paid two guineas for his membership . . . some of the crowd took a practical view of the matter, and successfully evaded both the signature-book and the small boy who was stationed to collect the tickets, and shared the mental banquet upstairs as uninvited guests.



[Commenced C. & D., July 5, 1924]

Poison Antidotes .- See Antidotes.

Poison-Bottle.—The poison regulations of the Pharmaceutical Society, approved by the Privy Council, provide that a bottle for poisons for external use must be distinguishable by touch. Various forms are made, e.g., ribbel or serrated, hexagonal and flat.

Poisoning Statistics.—The annual reports of the Registrars-General for England and Wales, Scotland and Northern Ireland give certain details of deaths by poison. It has been pointed out from time to time in THE CHEMIST AND DRUGGIST that these details are not so complete as the importance of the subject appears to necessitate; but on the appearance of each report its statistics are elucidated in this paper as far as is possible. The reports begin in England and Wales with the period July 1, 1837 - June 30, 1838; in Scotland with the year 1855; and in Worthern Ireland with the year 1922. Accidental poisonings were permanently separated from suicidal poisonings by the Registrar-General for England and Wales in his report for the year 1881; the Scottish Registrar-General followed the same course in 1882. Pub-Registrar-General followed the same course in 1882. Published figures for England and Wales are virtually non-existent for the years 1841-47 inclusive. The total of accidental and suicidal poisonings combined in 1840 was (if the figures may be trusted) 349; in 1848 it had risen to 467, but in 1862 it had fallen to 390. For the next nineteen years no distinction was made in the returns between the two classes of poisoning. In 1883 the combined totals (249 and 262) rose above 500 for the first time; in 1905 they amounted to 931. The ratio of suicide to accident in deaths by poison began to increase definitely in 1893, when the respective figures were 368 and 277, and this poisonidant and 1877, and this poisonidant and 1877. and 273; and this ratio widened until, in 1927, the corresponding totals were 735 and 120. In Scotland suicidal poisonings remained in a minority in relation to accidental poisonings up to and including the year 1922, when they numbered 17, compared with 18 on the accident side; in 1923, however, a sudden change, principally due to poisoning by lysol, occurred, making the relative figures 49 and 10. General reviews of poisoning statistics for England and Wales appeared in the C. & D., 1918, 914 and 1927, II, 514; and for Scotland in the C. & D., 1920, I, 896.

Poisonous Alkaloids.—The expression used in the Poisons Schedule is: "All poisonous alkaloids not specifically uamed in this schedule and their salts, and all poisonous derivatives of alkaloids." It is difficult to say what are the limits which bring an alkaloid within the term "Poisonous," since there is no legal definition. Though there is no satisfactory phraseology defining a poisonous alkaloid, no real difficulty arises in practical application. A substance which is capable of destroying life when taken in small quantity is regarded as a poison. What the minimal quantity should be is not so easy to determine. Quinine, which can be taken in varying quantities, is not regarded as within the term "poisonous." The practical way has been to regard alkaloidal substances of which the average dose is one grain or over as not coming within the term.

Poisonous Substances.—The term "poisonous substance" might be understood as applying to anything which is inimical to life when absorbed. In pharmacy, however, the term applies to substances governed by an Order in Council of March 22, 1911, made under Section 5 of the Poisons and Pharmacy Act. 1908. It includes ammonia, carbolic acid, strong mineral acids and soluble salts of oxalic acid. The sale is open to any vendor providing certain conditions are fulfilled,

such as labelling with the name of the substance, "Poisonous," "Not to be Taken," and name and address of the seller. If the substance is a liquid, its container must be distinguishable by touch. Offences under this Section are dealt with by the police and by summary jurisdiction.

Poisons, Agricultural and Horticultural: Sale.—In the Poisons and Pharmacy Act, 1908, Section 2, occurs the definition: "Poisonous substances to be used exclusively in agriculture or horticulture for the destruction of insects, fungi, or bacteria, or as sheep dips or weed killers, which are poisonous by reason of their containing arsenic, tobacco, or the alkaloids of tobacco." Regulations were made by Order in Council, dated April 2, 1909, and amended in 1920, 1925 and 1926. The principal conditions of sale are that a person must be licensed and the premises open for inspection by the local authority; the container, as received from the manufacturer, must be of sufficient strength, labelled with the name of the substance and the word "Poison," the name and address of the seller, and a notice of the special purpose for which it has been prepared; liquid preparations must be in scitable containers, indelibly branded, and marked "poisonous."

Poisons and Pharmacy Acts: Great Britain .- The Acts of Parliament governing poisons and pharmacy were passed in 1851 (Arsenic Act), 1852, 1868, 1869, 1898 and 1908. The Dangerous Drugs Acts, 1920, 1923 and 1925. relate to certain specified poisons affected by an agree-ment made by the League of Nations, and an interpre-tation of a certain section of the Pharmacy Act of 1863. The Arsenic Act, 1851, defined how arsenic was to be sold and distributed. The Act of 1852 conferred statutory privileges on the Pharmaceutical Society, which up to that time had only functioned under Royal Charter. It legalised the titles "pharmaceutical chemist." "pharmacentist" and "pharmacist," created a register of the same, and provided for the appointment of a registrar and registration, examiners and examinations, members and apprentices or students. It became an offence against the law to use the title "pharmaceutical chemist" against the law to use the title "pharmaceutical chemist" unless registered, and membership of the Society was also protected. The Pharmacy Act of 1863 legalised the term "chemist and druggist," modified in some particulars the Pharmacy Act of 1852, and created a Poisons Schedule. A new register came into being, i.e., the Begister of Chemists and Druggist. Register of Chemists and Druggists. The sequence was that a person qualified as a chemist and druggist first and then, if he wished, became a pharmaceutical chemist. From the present year (1928) this method is likely to be the exception and not the role. The 1868 Act enlarged the powers of the Society, making it the prosecuting authority on the sale of poisons restricted by the Schedule. It defined in somewhat loose phraseology the conditions under which prescribed poisons could be sold, and gave the power of adding to the Schedule anything and gave the power of adding to the Schedule anything deemed to be a poison, subject to the consent of the Privy Council. The examinations, with certain modifications, continued. The Act of 1859 was an amendment regularising the position of medical men in relation to the Pharmacy Act of the previous year. The Act of 1898 was purely a domestic one giving rights of membership to chemists and druggists, and enabling them to become members of the Council. The Act of 1908 was a compromise, redefining the Poisons Schedule, legalising the position of limited liability companies, providing reciprocity, a curriculum in educational matters, and an enabling clause to admit certain persons without exami-nation. The last-named provision was discharged in nation. The last-named provision was discharged in 1919. The title of pharmacist became applicable to a chemist and druggist. The Dangerous Drugs Acts are not Pharmacy Acts in the ordinary acceptance of the term, and were dealt with under the specific title in the Compendium.

Poisons Labelling Order.—See Labelling of Poisons Order.

Poisons, Sale: Great Britain.—The sale of poisons in Great Britain is regulated by the Schedule to the Poisons and Pharmacy Act, 1903, and subsequent Orders in Connoil. There are two parts of the Schedule, and for convenience the C. & D. Poisons Cards represent these Orders as part of the original Schedule. The limitation

The C.&D. Commercial Compendium

of sales of poisons applies only to the articles mentioned therein, their preparations, or substances containing them. Certain modifications covering arsenic and tobacco for agricultural or horticultural use are provided in the clauses dealing with these substances. Part I contains the more potent poisons and Part II the less dangerous ones. Sales are restricted to pharmaceutical chemists, chemists and druggists, and companies keeping open shop in accordance with the provisions of the Poisons and Pharmacy Act, 1908. The penalty for contravention of the law is £5, recoverable by the Pharmaceutical Society. A different procedure of recovery in Scotland enables a modification of this penalty not applicable in England and Wales. (See also Dangerous Drugs Acts and Regulations.)

Poke Root .- See Phytolacca.

Polarimeter - The polarimeter is a form of polariscope used for measuring the specific rotations of optically active substances and also for determining concentrations of solutions of optically active substances of known specific rotation. The polarimeter consists of two Nicol prisms set at a distance from one another and on a common axis, the one being known as the polariser and the other as the analyser. The polarimeter tube, containing a definite length (usually 10 or 20 cm.) of liquid, is placed between the two prisms. Monochromatic light must be projected through the liquid from end to end, and this is usually that from a sodium flame. The light is first passed through a bichromate cell in order to obtain a pure sodium flame, and thus light vibrating in a single plane is utilised. The analyser, the prism at the end of the tube away from the source of light can be rotated about the main axis. By turning the analyser until the intensity of illumination on each half of the disc is equal just as it was before introducing the polarimeter tube (containing the liquid), the angle of rotation can be read off on a vernier scale. This reading, minus the zero reading which must be observed for purposes of correction, gives the angle of rotation, which is usually written ap. The temperature at which the observation is made should also be noted, and the specific rotation $[a]^{t}/_{D}$ at temperature t is then calculated from a formula. If the substance turns the plane of polarisation to the right (clockwise) it is said to be dextro-rotatory, and if to the left lavo-rotatory. (See Polarisation.)

Polarimetry.—Substances containing certain molecular groupings, almost entirely confined to what is known as the asymmetric carbon atom—that is, a carbon atom attached to four different atoms or groups—possess the power of rotation of the plane of plane polarised light (frequeatly erroneously spoken of as the rotation of a ray of polarised light). Such bodies are described as optically active, and are capable of existence—and usually do exist—in two optically isomeric conditions, one rotating the plane to the right (positive or dextrorotatory) and the other rotating to the left (negative or leavo-rotatory). A mixture in equal parts of these is optically inactive. Such substances found in nature usually occur in one of the optically active conditions, whereas substances produced in the laboratory are inactive, but can, by suitable means, be resolved into their optically active isomers. The apparatus for determining the measure of the optical activity of such substances is termed a polarimeter. For a description of this instrument text-books on optics r volume II, "Parry on Essential Oils," should be consulted. From the pharmaceutical point of view, the use of the polariscope is chiefly confined to the determination of the value for essential oils. Such values are official in the British Pharmacopæia in a number of cases, and are intended to be either absolute or restrictive. For example, the figures for lemon oil are presumed to be those within which any pure natural oil of lemon will fall, and may be regarded as "absolute" standards. Whereas for eucalyptus oil, of which there are many types with very widely varying optical rotations, the standards given are intended to be "restrictive," so as to render certain types only of eucalyptus oil official in

the British Pharmacopeia. The following are the official standards for the essential oils of that authority:—Oil of Siberian fir, -32° to -42° ; oil of ajowan, $+1^{\circ}$ to $+2^{\circ}$; oil of dill, $+70^{\circ}$ to $+80^{\circ}$; oil of aniseed, -2° to $+1^{\circ}$; oil of chamomile, -1° to $+3^{\circ}$; oil of cajuput, not more than -4° ; oil of caraway, $+75^{\circ}$ to $+82^{\circ}$; oil of cinnamon, -0.5° to -1° ; oil of copaiba, -7° to -35° ; oil of coriander, $+8^{\circ}$ to $+14^{\circ}$; oil of cubebs, -25° to -40° ; oil of eucalyptus, -10° to $+10^{\circ}$; oil of gaultheria, 0° to -1° ; oil of lemongrass, -3° to $+3^{\circ}$; oil of juniper, -3° to -15° ; oil of lavender, -3° to -10° ; oil of elemon, $+58^{\circ}$ to $+64^{\circ}$; oil of peppermint, -20° to -35° ; oil of spearmint, -30° to -50° ; oil of nutmeg, $+13^{\circ}$ to $+30^{\circ}$; oil of rose, -2° to -4° ; oil of rosemary, -2° to $+15^{\circ}$; oil of sandalwood, -13° to -21° . Optical rotation, symbolised as $a_{\rm P}$, it he angle through which the plane of polarisation is rotated when the light traverses a layer 100 millimetres in thickness at a temperature of 20° , the light being plane polarised sodium light. The specific rotation, symbolised by $[a]_{\rm D}$ is, for a single liquid, the optical rotation divided by the specific gravity. Or, for solid substances, is $\frac{a}{\times} \times 100$ I \times where a is the observed angle of rotation, I is the thickness of the liquid in decimetres,

rotation, I is the thickness of the liquid in decimetres, and c is the number of grams of the solid substance dissolved in 100 c.c. of the solution. The specific rotation of dissolved substances should also be qualified with the name of the solvent, as it is not always constant for all solvents.

Polarisation is a modification of the condition of light or radiant heat whereby the ray exhibits different properties on different sides of an object. The term is also used in electricity, but in pharmacy polarisation is usually understood to apply to light only. If a beam of light is passed through a crystal of tourmaline it acquires new properties. The beam acquires a kind of one-sidedness which, while leaving it free to pass through a second crystal if this is held in one direction, renders it quite unable to do so if the latter is turned through an angle of ninety degrees. This phenomenon is called polarisa-tion, and the light emerging from the tourmaline is a polarised beam of light. After the passage of the light through the tourmaline, the transverse vibrations all take place parallel to some definite direction and the ray is said to be plane polarised. Polarisation can also be accomplished by means of reflection. Substances which possess the power of rotating the plane of polarisation are said to be optically active. The amount of rotation produced per unit length is unchanging, and so the specific rotation has come to be one of the most important physical constants in organic chemical work. There has been considerable loose usage in the naming of instruments for showing the polarisation of light, and even now no definite system is followed. Generally speaking, a polariscope is understood to mean an instrument for demonstrating polarisation or for viewing objects in polarised light, while the term polarimeter is restricted to instruments of the type of a saccharimeter used for making accurate measurements. There are many modifications of both instruments.

Pole.—In lineal measure, $5\frac{1}{2}$ yards; in square measure, $30\frac{1}{4}$ square yards (=a rod or perch).

Policy of Insurance.—A policy of insurance is a contract by which one party (the insurer) agrees for a valuable consideration (the premium) to indemnify another party (the assured), up to a certain amount and subject to certain terms and conditions, against loss or injury which the assured may suffer as the result of a particular hazard or occurrence.

Polygala Senega.—See Senega root.

Polypharmacy.—The simultaneous, or nearly simultaneous, use of many remedies in medical treatment. The first O.E.D. quotation dates from 1762, but the adjective "polypharmacal" has been traced back to 1656.

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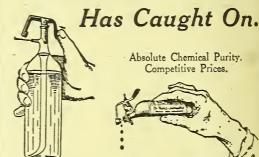
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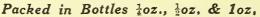
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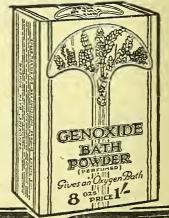
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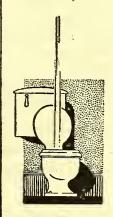
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101d. size, 8 6 per dez. " 12 -" 27:-

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the sunshine way to radiant health for babies & mothers - to-be

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NORWEGIAN COD LIVER OIL

The Brand that does not separate nor crystallize.

Your own name and address on labels. In English jars, etc. Direct from the actual manufacturers.

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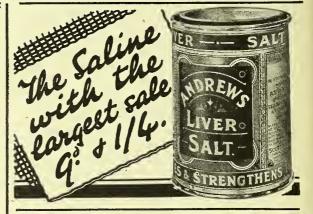


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Recommended for—CHILBLAINS, CORNS, SPRAINS, SEPTIC WOUNDS & SORES, DRY or WET ECZEMA, VARICOSE ULCERS, BURNS, ETC., ETC.

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VITAMIN MALT

contains VITAMINS A, B, C, and D,

the factors essential for perfect nutrition.

Supersedes the usual Extract with Cod Liver Oil.

The taste is improved so as to render it more acceptable to children and invalids.

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COD LIVER OIL B.P.

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Quality

"VITA" BRAND

produced by

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entirely in their own large and most modern plant of latest design, from finest possible obtainable quality Pure Lofoten Cod Liver Oil.

PROTECT YOURSELVES

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Up! Up! Up!

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HORLICK'S MALTED MILK CO., LTD.,
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"I very much approve of it and am recommending my patients to take it. I consider it is the best combination at present on the market."

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"....l am delighted with the results."

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PAMPHLETS, LEAFLETS, etc.

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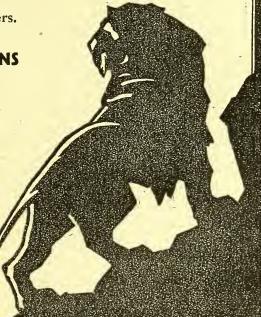
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Tins of 8 ozs. nett. 5/- 45/-

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Nujol advertising for 1928-29 is still larger, embracing more papers, covering a wider area, and is to continue throughout the year. Its purpose is to bring about daily use of Nujol by the fit as well as the ailing to ensure regular habits and good health.

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13/6 (100 oz. Hospital size) 117/6 per doz.

Nujol REGISTERED TRADE MARK

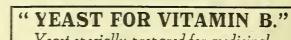
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ALBERT STREET, CAMDEN TOWN, LONDON, N.W.1

Telegrams: Nufinjol-Norwest-London,

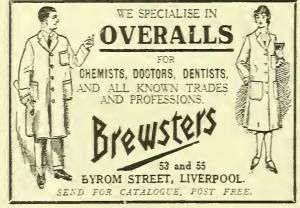
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Yeast specially prepared for medicinal purposes.

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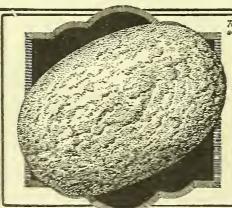
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There is a good demand for these.

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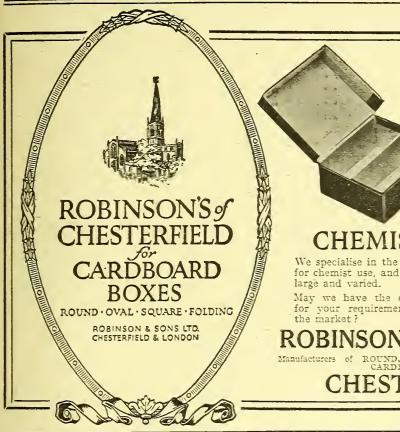
Two thirds actual size

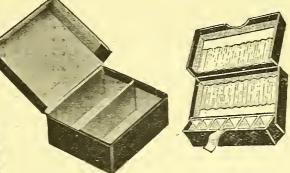
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Made only by

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We specialise in the manufacture of small boxes for chemist use, and our range of these boxes is large and varied.

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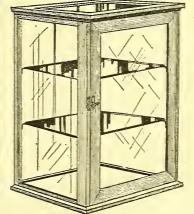
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When pulled they always come back, when pushed— MEVEL

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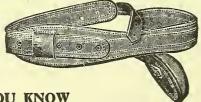
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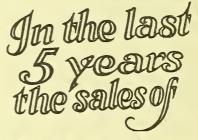
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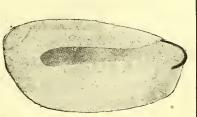
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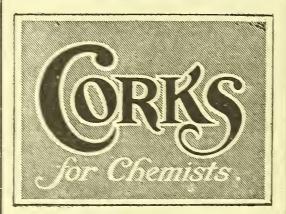
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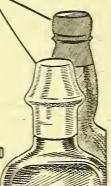
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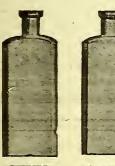
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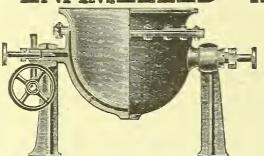
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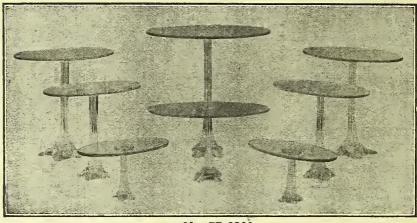
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Birmingham Mail.
Birmingham Mail.
Blackburn Northern Daily Telegraph.
Bolton Evening News.
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Darlington Northern Echo.
Derby Daily Telegraph.
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Kent Evening Echo.
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THE CHEMIST AND DRUGGIST

42 CANNON ST. LONDON E.C.4 SUPPLEMENT

DECEMBER 8, 1928

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May be consulted at their Offices on matters of Sale, Purchase and Valuation.

1.—SURREY.—Manufacturing Chemist's Business for Disposal; very much neglected; turnover has been many thousands of pounds per aunum, at present, however, only at the rate of \$2,000 yearly; scope for considerable improvement under personal supervision. Further information will be furnished on application.

2.—NORTH LONDON.—General Retail with N.H.I. Dispensing; returns present rate about £20 per week; good profits; lock-up shop, fairly fitted and stocked; rent £60 per aunum; lease has 18 years unexpired; price £550 or near offer; scope for increase

3.—LONDON, EAST.—General Retail and N.H.I. Dispensing Business; established over 50 years; returns approximately £1,200 per annum; net profit over £300; house sub-let at 15s. weekly; rent £38 per annum; held on long lease; price £600.

4.—LONDON, S.W.—Family Retail and Dispensing Business, with N.H.I.; established many years; returns approach £1,600; net profit above the average; good house; rent £80 per annum; held on lease; valuation terms entertained.

5.—EARL'S COURT.—General Retail Business, with small N.H.I.; returns about £20 weekly; well-stocked shop; rent £70; sub-let more than covers rent and rates; held on lease; price £550, or near offer; ill-health cause of sale.

6.—VICTORIA.—Old-established Business, returning £30 per week under management; scope for increase under energetic management; estimated value of stock and fixtures, £850; rent £05 per annum; new lease; price £250, plus valuation of stock and fixtures.

7.—ESSEX.—General Retail Business with Kodak Agency; returns under management approx. £2,000 per annum; good tiving accommodation; new lease; valuation terms entertained. This concern is known to us and we are of opinion that there is scope for material increase.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone Profit, the Value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes confusion and loss.

8.—SOUTH DEVON.—General Retail and Dispensing Business, with Wine, Spirit and Bottled Beer department; very oldestablished; average turnover £4,250 per annum; heavily-stocked pharmacy; large house; premises may be purchased or leaso would be granted; entirely unopposed; further details on application.

9.—BLACKPOOL.—General Retail and Dispensing Business; established many years; returns approach £1,900 per annum; very good profits; estimated value of stock and fixtures £1,100; new lease; price £1,500, or near offer.

10.—BRISTOL (Near).—Country Retail, with Kodak Agency, established 1820; returns, last year, £1,531; net profit £400; seope for large increase; double-fronted shop, well fitted and stocked; good living accommodation; rent £40 per annum; rates £26; price £500, plus valuation of stock and fixtures.

11.—SOUTH-EAST COAST. — Drng Store, returning over £2,000 per annum; scope for increase in hands of qualified; living accommodation; rent £110 per annum; rates £55; held on lease; price to be arranged.

12.—WESTERN HEALTH RESORT.—General Retail Business, with Optical connection; returns, last year, £2,047; net profit £522; double-fronted corner shop, fairly fitted and very well shocked; good living accommodation; rent £95 per annum; new lease; price £1,500.

13.—KENT (25 Miles Out).—Good-class Country Retail and Dispensing Business, with Kodak Agency; returns approach £2,400; net profit, last year, £560; auditor's figures; double-fronted shop; very good house, with garden, etc.; rent £60; favourable lease; property may be purchased; price to be arranged.

14.—KENT (Coast).—General Retail and Dispensing Business, with Kodak Agency; increasing turnover, last year being £1,700; ample living accommodation; held on agreement, with option of lease; rent £115; price £1,250.

Valuations for Stocktaking

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BUSINESSES FOR DISPOSAL

1.—STAFFS.—Established Chemist's Business; situated on main road; unopposed in Photo and Optics; returns £24 p.w., scope for increase; lease can be arranged; rent £65 p.a.; price asked, lease and goodwill, £150, fixtures and fittings £150, and stock approx. £450. Full particulars on application. (179.)

2.—LONDON, S.E.—Recently established Drng Stores, held on lease 14 years at £55 p.a., rising to £60 p.a. for last 7 years; premises consist of large lock-up shop with room at rear; returns average £12 per week; great scope for qualified man and N.H.I.; no reasonable offer refused. (181)

3.—MANCHESTER (District).—Old-established Dispensing Chemist Business in good-class subnrb on a yearly tenancy at £120 p.a.; let off £117; returns average £27 per week, all cash; excellent opportunity as quick sale is desired; good reasons. (172)

4.—DURHAM CO.—Chemist Business for immediate disposal; lease can be arranged at £30 p.a. rent; takings £17; Kodak and Ucal Agencies; good living accommodation. (174)

5.-STAFFS DISTRICT.-Excellent opportunity for qualified man. Drng and Photographic Store on lease 5 years to run at £40 p.a.; returns £10 per week; could be easily trebled; good living accommodation; full particulars on application. (169)

avoing accommodation; full particulars on application. (169) 6.—HULL.—Dispensing and Family Chemist Business in busy thoroughfare (which will shortly become a main road owing to alterations); rent £26 on a yearly tenancy, which can be secured; returns £900 p.a.; lock-up shop; good prospects for a young qualified man. Further particulars on application. (170) 7.—SOMERSET.—Drug and Photographic Business; premises, which consist of lock-up shop with room at rear, neld on lease with 8 years to rnn at rental of £88 p.a. inclusive; good scope for live man; price asked £400. (178.)

8.—LONDON, S.W.—Very old-established Family Retail and Dispensing Business, occupying prominent corner position in busy thoroughfare; lock-up shop with storage accommodation; held on advantageous lease at £100 per annum; returns approximately £2,500 per annum; can be increased under personal management. Full particulars on application. (148)

9.—LONDON, N.—Old-established Retail Dispensing Cash Pharmacy, with N.H.I.; well fitted and good stock carried; premises, which consist of nice pharmacy, dispensary and six rooms, to be disposed of freehold at £1,250; returns average approximately £24 per week; can be increased with capital; no reasonable offer refused. (182)

10.—LONDON, N.W.—Retail Dispensing Business on 13 years' lease at £52 per annum inclusive; returns £1,000 p.a.; excellent opportunity for young qualified man. Further particulars on application. (183)

11.—SOUTHEND-ON-SEA.—For immediate disposal, Chemist's Business, in busy centre; premises consist of lock-up shop, with Dispensing and storage room; rent £200 per annum, progressive; returns average £1,500, could be increased. Fullest particulars on application. (175)

12.—WANTED.—Two Chemists' Businesses in or near London; net profits not less than £1,000 per annum. All communications treated with strictest confidence.

13.—CARMARTHENSHIRE.—Old-established Chemist's Business situated in good position on main street, with living accommodation; held on lease for 7-14 years; rent £400 p.a.; returns average £35.£40; could be increased; stock approx. £8-900. Further particulars on application. (176)

14.-LANCS.-Old-established Chemist's Business, with Wine

14.—LANCS.—Old-established Chemist's Business, with Wine Licence; premises consist of shop and dwelling-house; property for sale, £1,000. Full particulars on application. (177)

15.—LONDON, N.—Established Chemist's Business; premises, which include convenient living accommodation, held on lease, 15 years to rnn; rental £50 p.a.; stock approx. £285; price asked £550, all at. Further particulars on application. (180)

16.—LONDON, S.E.—Old-established Dispensing and Family Business; in good position; returns average £20 per week; well-fitted shop; good scope for young and energetic chemist; price, all at £550. Full particulars on application. (184).

17.—LONDON, S.E.—Well-situated Drng Stores; premises held on lease, with 17 years to run, at rental of £68 per annum; let off £91; returns average £25 to £30 per week; good opening for N.H.I.; growing district; fullest particulars on application. (185)

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2.—LONDON, S.E.—Established 40 years; turnover £730; net profit, £225 (plus house free); scope for increase; price £425.

2.—LONDON, S.E.—Established 40 years; turnover £730; net profit, £225 (plus house free); N.H.I.; good opening for young Chemist beginner or unqualified Drug Store; price £375.

4.—LONDON, W.—Family and Dispensing, in busy district; Kodak, Revall and Optics: well fitted and stocked; flat above; turnover, £2,080; lease 18 years; rent £200; lease and fixtures, £1,300; stock at valuation.

5.—LONDON, W.—Good Retail, in main road, with scope; N.H.I., Photo; turnover, £1,770; rent, £250; lease 18² years; two flats over, let off; price £1,350.

6.—LONDON, E.—Unopposed position; population 14,000; N.H.I., Kodak Agency, also big Prescribing; capable of considerable increase; turnover, £1,5175; profit, £203; rent £60 per annum; sublet £52 10s. per annum; price £1,000.

7.—LONDON, S.E.—Established 40 years; an ideal opening for keen Pharmacist; turnover, £1,412; profit, £380; lease 17 years; rent £52 per annum (inclusive); price £750.

8.—LONDON, N.—Old-established Business, doing £1,572, under management; net £267: lease nine years (renewable); rent £75; N.H.I., Photo; balanee-sheets available; price £1,250.

9.—SURREY.—Family and Dispensing, N.H.I., Photo, Stationery; turnover, £1,900; rent, £40; house attached; price £1,100 (or offer).

11.—LONDON, N.W.—Family and Dispensing, N.H.I., Photo: turnover £1,200; rent £140; sublets £103; price £450 (stock and fixtures at valuation).

12.—HANTS.—Double-fronted shop in centre of market town, doing £2,000; rent £100; sublet £65; N.H.I., Photo; price £1,600.

2.—HANTS.—Double-fronted shop in centre of market town, doing £2,000; rent £100; sublet £65; N.H.I., Photo; price £1,600.

13.—DERBYSHIRE.—Old-established Business, doing £40 per week; N.H.I., Photo; good house; excellent opportunity for Optics; rent £50 per annum; price £1,400.

14.—YORKS.—Small Business in suburb, doing £1,000; rent £52; sublet 14s, per week; good opening for Optics, Dentistry; price £350.

15.—NORTH STAFFS.—Family and Dispensing, with Optics and Photography; N.H.I. average 750 scripts per month; turnover, approximately £1,300; profit, about £350; price, £800; premises can be bought or leased; rent 25s. weekly; living accommodation.

16.—LANCASHIRE COAST.—Turnover, about £1,900; profit £450; stock and fixtures, estimated £1,000; total ingoing £1,500; Kodak Agency; lease can be arranged.

E1,000; total ingoing £1,500; Kodak Agency; lease can be arranged.

19.—CHESHIRE. — Small Family Business; immediate living for young pharmacist; present turnover £900; can be increased; favourable lease, 20 years to run; rental £32, rising to £38: no living accommodation; Stock and Fixtures about £1,100; goodwill to be arranged.

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j.—SOMERSET.—Unopposed Village Business; delightfully usted, near sea; turnover about £600, under manager; low penses; on lease; lock-up shop; offers invited.

j.—CORNWALL—Light Retail Dispensing, with Kodak tency; in busy market town; returns £1,200; net profit £350; ge house and pharmacy; good stock; price £600.

j.—LONDON, S.W.—Light Cash Retail, with N.H.I.; main ad position; returns, under manager, £2,000; net profit £453, ar; good stock; price £1,150.

j.—LONDON, S.E.—Light Family Retail; practically topposed; full prices; returns £20 weekly, under manager; enty of scope; price £550, or first reasonable offer.

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the Advertiser may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-

RDWICK (Manchester).—Chemist's Business to be Sold, situate in thickly populated district; small but well-ulpped shop, with large storeroom above, for Sale as a going moment, to include stock and fixtures, etc.; price £450; long ase at moderate rent. Further information from Duacan B. ray & Partners, Westminster Bank Chambers, Lord Street, uthport.

LACKPOOL.—Sound Family all-year-round Business; main road; established five years; living accommodation; electric ent; two windows; modern fittings; returns for last two years 2,415, £2,536 respectively; stock £700 approx.; rent £210 er annum; price for quick sale, £1,100; owner leaving town. pply 50/35, Office of this Paper.

RISTOL (near).—Country Retail Business, with Kodak Agency and Agricultural connection; returns exceed 1,500, which can be improved upon; net profit, £400; acknowdged best position in main road; good houso and cellarage; int only £40; fair length of lease; would consider valuation of premium for goodwill.—Apply County, 138/830, Office of laper.

LOUCESTERSHIRE.—Retail, Dispensing and Mixed Country A Business; gross returns £1,440; net profits approximately 550; no opposition; house adjoining; bargain; price, at valuation. "Severn," c/o Southall Bros. & Barclay, Ltd., Lower rlory, Birmingham.

HUDDERSFIELD.—For Sale, as a going concorn, the old-established Business carried on by E. R. Swift, with Wine Lacence, together with two Branch Shops, which could be purchased separately if desired; lease of premises obtainable; populous and growing districts. For particulars apply H. V. Wood & Co., Chartered Accountants, Huddersfield, or Parkin S. Booth, Association of Manufacturing Chemists, Ltd., 2 Bixteth Street, Liverpool.

T BNT COAST.—Main street in important town; Cerner Shop in prominent position; established 34 years; general Retail, Dispensitg, Optical, Photographic; returns approximately £1,450; freehold, with living accommodation; inclusive price £2,500; sale owing to death of late owner. 139/845, Office of

LONDON, S.W.—General Retail Business, neglected through illness; last year's returns £720; in very busy main road; moderate rent, on lease; £450 cash, or near offer for quick sale.—63/30, Office of this Paper.

LONDON, W.—Drug Stores; nicely fitted lock-up shop; reasonable inclusive rent; splendid chance for chemist to do big N.H.I. trade; price £85 all at, for quick sale; a real bargain; particulars stamped envelope.—Write 63/14, Office of

ARGE town West of England; profitable Prescribing and Dispensing Business; established 35 years; same hands 23 years; middle-class industrial district; all cash; gross profit 50%; last year's N.H.I. scripts 7,749; turnover between £750 and £900, exclusive of Panel; owner leaving city for larger business; corner premises; convenient house; side entrance; gas, electric, and 'phone; good garage; will grant lease; every investigation; trial with pleasure; will accept £500; only genuine buyers with cash treated with; no agents; scope for Optics. 60/25, Office of this Paper.

NEWCASTLE DISTRICT.—Unopposed Village Business for Sale; neglected through illness; has done £1,750; returns last 12 months £1,050; invoices £640; house and garden attached; can be bought or leased; good Photographic trade; N.H.I. pays the rent; stock £300, fixtures £100; price asked for quick sale £450 cash; only wants seeing. Apply 138/829, Office of this Paper.

HEFFIELD.—Good General Relail, Dispensing and Photographic Business for Disposal; busy thoroughfare; trams stop at door; good living accommodation; low rent; turnover, £1,500 per annum; 400-500 N.H.I. per month; electric light and all modern conveniences; no reasonable offer refused; further particulars to bona-fide inquiries.—62/21, Office of this

SOUTH OF ENGLAND.—Old-established Retail; gross returns £1,850; net profit £300-£400; good house adjoining; district developing with new property; price, at valuation. "Southern," c/o Southall Bros. & Barclay, Ltd., Lower Priory, Birmingham

CHEMIST'S Business in populous suburb of North Country town for immediate disposal, together with the freehold, lock-up premises; suit energetic, young, qualified man; returns average £24 per week, including some N.H.I.; price £750 for stock, fixtures, etc.; freehold premises £700, part of which could remain on if desired.—62/26, Office of this Paper.

DRUG Store for Sale; excellent scope for "Minor." Apply 28 Netherwood Street, Kilburn, N.W.6.

TIRST-CLASS Business in Lancashire seaside resort for immediate disposal; beautifully fitted and stocked; occupying prominent corner position in best part of the town; lock-up, shop, hold on advantageous lease at £110 per annum; returns approximately £2,400; full particulars on application.—62/20, Office of this Paper.

CIENUINE Business for disposal, Manchester area; N.H.I. and Optical Department; excellent prescribing business; heavily stocked; rent 19s. clear; turnover £2,000; kodak Agency; books audited; the sale is urgent; no triflers; would accept £800; bank refs. required.—138/835, Office of this Paper.

HIGH-CLASS Optical Business for Salc; goodwill, fittings and fixtures; long lease; £450; stock at value. "Sussex House" Optical Co., 1a Glendower Place, South Kensington.

SMALL Business; medium class; compact; easy to work; turn-over £950 per annum; rent, rates and light £50 per annum; corner house; good working stock; price £350. Apply T. L. Curtis, 38 Station Street, Swinton, Rotherham.

SOUND Cash Drug Stores; nnopposed; returns last year, 5 £1,088; good house and garden attached; price for goodwill, fittings and fixtures £100; further particulars on application. Higgie, 58 Watling Street, Wilnecote, Tamworth.

AGENCIES.

SCOTTISH AGENT WANTED

for a well-known and old-established English firm of manufacturers, whose goods are well-established and advertised in Scotland. Applicants must be well connected with Hospitals and Wholesale Drug Houses, and must have business premises in Glasgow. Commission and part expenses basis. Advertisers will provide suitable Stocks to work from Good opportunity to agent already well known to Wholesale Druggists and Hospitals. Replies giving fullest details to 138/825, Office of this paper.

SOUTH African, now in London and shortly returning, requires first-class Agencies for Chemists' Sundries and Household lines; has old-established connection and organisation in colony. Write full particulars to P.C.B. 73/26, Office of this Paper.

BUYING Agents required for first-class Medicated Lozenges in 2d. and 3d. tubes, Medicated Tahlets, etc.; Sole Agencies considered. William Clayton, Ltd., Hull.

CONTINENTAL Manufacturers of high-class Pharmaceutical Products require services of English House as Agent for the United Kingdom and Colonies; applicants must he well introduced with Medical Profession, Hospitals, Wholesale and Retail Druggists, and possess full knowledge of accepted propaganda methods; useless to apply without giving fullest particulars as to past propaganda experience, present associations, and organisation. 138/826, Office of this Paper.

HAVING secured large main road shop premises, with excellent opportunity for window display, the First-Aid Supply Co. (1925), who have Travellers calling on Factories, Shops, Builders, and all users of machinery, is open to accept Agencies for goods that will go with their kind of husiness. Apply 113 Newington Canseway, S.E.1.

BUSINESSES WANTED.

A DVERTISER wishes to purchase for January well-established A Dispensing Business, preferably non-Panel, returns about £4,000; smaller husiness will be considered, if in good shopping centre; please give gross and net profits, rent, rates, and particulars of staff in first letter, which will be treated as confidential; bankers' and trade references given.—63/19, Office of this Paper.

CHEMIST wishes to negotiate for and take over next month genuine Business, London or near; net profit about £400, with possibilities of increase; house unnecessary; please give general particulars in first letter; all details later; bankers' references given; strictest confidence observed; advertieer, having had excellent experience as Manager in West-End for some years, would consider Partnership in larger business; undeniable business and personal references; capital at command. "Statim," 62/1, Office of this Paper.

MESSRS. BERDOE & FISH have a large number of genuine cash buyers seeking Businesses in all parts, up to £3,000. Private register kept, and sales are negotiated without any publicity. Correspondence cordially invited. Transfer Offices, 41 Argyle Square, King's Cross, W.C.1.

WANTED, a Business in North Wales; opening for Optics. Apply "Cymro," 138/810, Office of this Paper.

APPOINTMENTS.

WEST HAM UNION.

ASSISTANT DISPENSER (Part-time).

ASSISTANT DISPENSER (Part-time).

THE Gnardians invite applications for the appointment of male Assistant Dispenser (part-time) at their Whipps Cross Hospital, Whipps Cross Road, Leytonstone, E.11, at the inclusive wage of £3 per week. Applicants must have passed the Minor Examination of the Pharmaceutical Society, and the person appointed will be required to work under the control of the Dispenser, and should occasion arise to act as locum teness at the other Institutions and Relief Stations of the Board.

The hours of duty will be from 2 p.m. to 6 p.m. on five days (Monday to Friday) weekly.

Further information may be obtained from the Medical Superintendent of the Hospital.

Applications, with copy testimonials, should reach the undersigned not later than 10 a.m. on Monday, the 17th December, 1928.

L. E. FRAQUET, Clerk.

Union Offices, Leytonstone, E.11. 3rd December, 1928.

FOR SALE BY PRIVATE TREATY.

For Sale by Private Treaty.

Re CUXSON BROTHERS, LIMITED

("SURGAID"),
4 and 5 LIVERY STREET, BIRMINGHAM

(opposite G.W. Railway Station).

INVALID AND HOSPITAL FURNITURE, FIRST-AID EQUIP. MENTS, ARTIFICIAL LIMBS, SURGICAL APPLIANCES AND DRESSINGS, etc., etc. (In Voluntary Liquidation.)

W. H. SMITH, SON & HOLMES, F.A.I.,

THE GOODWILL, VALUABLE STOCK, SHOW-ROOM and OFFICE FURNITURE, EXCELLENT FITTINGS, MACHINERY, etc.

For full particulars apply to the Liquidator, Harold C. Lewis, Esq., F.C.A., Messrs. John Lewis & Co., Chartered Accountants, Union Chambers, 63 Temple Row, Birmingham; or to W. H. Smith, Son & Holmes, Auctioneers and Valners, 85a Edmund Street, Birmingham.

Solicitors: Messrs. Jeffery Parr, Hasell & Parr, 20 Temple Row, Birmingham.

APPRENTICE WANTED.

ONDON, N.W.—Apprentice required for good-class Dispensing hysiness; usual hours; time allowed off for study. ing husiness; usual honrs; time allowed off for study. Apply personally or hy letter, giving age and particulars, to Mr. J. Epson, 9 The Quadrant, Finchley Lane, Hendon.

PREMISES FOR SALE.

SHOP, High Street, Bexley, S.E., new, large, double-fronted, with two floors above; side and rear entrance; next to Freemantle Hall; huses stop outside; freehold £2,250, or lease £150 exclusive; splendid opportunity for Chemist; only one other in Bexley; population 8,000; view any time. Apply Hope, 55 Dairsie Road, S.E.9.

PARTNERSHIPS.

M.P.S., MARRIED, 34, at present in good position with position as Manager with view to succession in good-class pharmacy. 58/13, Office of this Paper.

SITUATIONS OPEN.

RETAIL.

[HOME.]

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BIRMINGHAM.—Wanted, at once, qualified Manager (male or female), for very much neglected shop in thickly-populated working-class district; must be able to build up good N.H.I. business.—Full particulars, age, salary, etc., to 63/24, Office of this Paper.

BRIGHTON.—Competent, gentlemanly, qualified Assistant; unmarried; about 30; Photography; state full particulars, salary, etc., photo (will be returned); wanted for end of month. Lane, 100 Western Road, Hove.

BRISTOL.—Wanted, experienced Senior with Optical qualifica-tion, for quick Counter and N.H.I.2, early New Year. Apply 63/8, Office of this Paper.

TRISH FREE STATE.—Wanted, Manager, capable of taking full charge of old-established, high-class Medical Hall; must be R.C.; excellent opportunity and prospects for energetic, progressive man. Give full particulars of experience, references, salary, etc. 60/27, Office of this Paper.

LONDON, E.—Qualified Manager required for shop, with house attached; applicants must have been used to a Light Retail and Family business. Give full particulars, stating age, salary required; and when at liberty, 60/19, Office of this Paper.

LONDON, E.—Junior Assistant required immediately for branch in an industrial area doing large Counter and N.H.I. trade. Apply, stating age, previous experience, salary required, and when at liberty. 60/191, Office of this Paper.

LONDON.—Assistant, qualified or unqualified, required for December 31, 1928; must be of gentlemanly appearance and a thorough reliable Dispenser; age about 26. Apply, with references, wages required, etc., to A. S. J. Woolf, 229 Golders Green Road, N.W.11. Replies not answered in three days respectfully declined.

LONDON.—Smart Junior required at once; must be a quick and accurate Dispenser, and have had counter experience. Please state salary required, experience, and references. 64/2, Office of this Paper.

LONDON, S.W.-Assistant required for Dispensing and Counter; qualified preferred. 62/38, Office of this Paper.

PLYMOUTH.—Manager, qualified, for branch, January 1; must be up to date; energetic; good Salesman; over 30; salary and commission. Apply, with full particulars, to B. J. Woodrow, M.P.S., 5 Drake Street, Plymonth.

SANDOWN, I.W.—Smart, unqualified Assistant (male) required; reliable Dispenser essential; good Window-dresser; age 23-26. Apply, stating experience, references, salary required (outdoors), to Woollings & Son; Chemiste, Sandown.

YORKSHIRE, WEST RIDING.—A really smart qualified Manager required for good business in centre of large town; applicants must have been used to a similar business which is largely brisk Counter, with some Family trade. Give full particulars in first letter, stating age, salary required, previons experience, and when at liberty. 60/190, Office of this Paper.

A QUALIFIED Dispenser, age about 25, required January 1 in West-End establishment; easy honrs; no Snnday dnty; good Dispensing experience essential. Apply, with full particulars, 62/28, Office of this Paper.

AN unqualified, capable Assistant required for a good-class business in a market town; hours of business short; age 22 to 28; an interview will be arranged. Apply F. J. North, Chemist, Retford, Notts.

A SSISTANT, Junior, unqualified, required immediately for Mixed Dispensing, Photographic; middle-class business; applicants must be capable of responsibility, energetic, accurate, abstainers. Reply, stating age, height, experience, references, and photo (letter in first instance), Mussell, Chemist, Garston, Liverpool.

A SSISTANT, about 25, required; keen and smart; good Dispensing essential; Hampshire coast town. Full particulars, and photo if possible, 62/22, Office of this Paper.

CAPABLE young Assistant required. Apply by letter, with full particulars of experience, age, height and salary required, to Parkes Chemists Limited, 65, Harmood Street, London, N.W.1.

CHEMIST Assistant (M.P.S.) required at once; lady preferred; N.H.I. Dispensing and Connter work. Apply, with particulars as to age, salary, etc., 163 Ripple Road, Barking, Essex. 'Phone: Grangewood 1328.

DISPENSER (male) for busy Surgery in S.W. London. State age, experience, qualifications, and wage required. 64/700, Office of this Paper.

JUNIOR Assistant required. Please state (by letter) particulars of experience, age, salary required, and when disengaged to T. H. Wilson, 741 Barking Road, Plaistow, E.13.

JUNIOR Assistant wanted; must have had good Dispensing experience.—Please state particulars of experience, references, age, when disengaged and salary required in first letter; enclose photo, if possible, which will be returned.—G. Loxton Grinstead, Ewell, Surrey.

JUNIOR wanted for East-End business; must be resident in London. Apply, stating age, experience and salary required, to 62/18, Office of this Paper.

LADY Chemist required; only qualified need apply; references required. 234 Jubilee Street, Mile End, E.1.

I OCUM, qualified, wanted for a fortnight from December 17; must be smart man; no Christmas Day duty. State terms when replying and forward references. "Staffordshire," 158/834, Office of this Paper.

OPTICIAN, with J.C.Q.O. qualification, to take charge of Optical and Photographic Department of S.W. London Pharmacy; must have thorough Photographic knowledge and be good Window-dresser; Pharmaceutical training advantageous, but not essential. State age, height, experience, and salary required. 64/70, Office of this Paper.

PHARMACIST required, lady or gent., to take charge of Dispensary in county town; hours approximately 9-11, 2-3, 6-8. Apply, with full particulars, 138/827, Office of this Paper.

QUALIFIED Assistant immediately, £4 weekly and good house, for sound small country business; must invest £100; option to complete purchase of stock and fixtures value at any later date. Ellis, Chemist, Abergavenny, Mon.

QUALIFIED Manager required after Xmas (E. London); good Salesman; Connter and N.H.I. work. Full particulars, etc., 56/40, Office of this Paper.

QUALIFIED Assistant, about 24 or 25, at once; good allround experience and Connterman; undeniable references; prospects of management of small branch quite soon. Full particulars. Lester & Williamson, Chemists, Great Heath, Coventry.

QUALIFIED CHEMIST.—Lady required for Surgical Department; must be experienced in fitting elastic hosiery. Apply, before noon, Staff Manager, Harrods, Ltd., 44 Hans Crescent, S.W.1.

QUALIFIED Assistant, young, male, wanted immediately after Christmas.—Full particulars, age, experience, salary required, etc., to H. C. Neve, 1,416, London Road, Norbury, S.W.16.

QUALIFIED Assistant required for good-class business in London, also unqualified Junior; must have had good experience. Please give full details in first letter, and state salary required (ontdoor). 63/32, Office of this Paper.

QUALIFIED Manager, about 30, for brisk cash business in S.W. London; must be tactful Counterman, good Windowdresser, and keen business builder; good prospects for a capable man; house accommodation available. State age, height, full particulars of experience, when at liberty, and salary expected. 64/7, Office of this Paper.

CTOCKTAKING.—Wanted, at once, smart young man, experienced in handling Chemists' Stocks; knowledge of prices an advantage; permanent, progressive position. Full particulars, experience, age, salary required, and when at liberty. Ernest J. George, St. Paul's Close, Walsall.

WANTED, Junior Assistant, male or female, for Counter and Dispensing at Branch Shop.—Give full particulars of experience and salary required, when disengaged, etc.—Moss, Ashfield Avenue, Feltham.

WANTED, smart, unqualified Assistant; single; good prospects.—Apply, personally, Saturday morning to Mortons Cash Chemists Ltd., 33, Johns Mews, Bedford Row, W.C.1.

WANTED, for East London, a lady Dispenser; must be quick, accurate and clean; also be able to help at counter. Reply, stating age, references and salary, 62/31, Office of this Paper.

YOUNG lady Assistant required immediately. Write or apply personally, state experience and salary.—Sterlings, 10, Bromley Hill, Bromley, Kent.

WHOLESALE.

A FIRM of Mannfacturing Chemists in the North of England, having already some connection in London and a depôt, require a first-class man to develop the ground, chiefly amongst the large Wholesalers, Exporters, Hospitals and Institutions; applicants must be able to show results quickly, and should be trained salesmen and not merely commercial travellers. State age, experience, and salary (in confidence) to 138/822, Office of this Paper.

A BLE Representatives required, with live connections Retail Chemists and Druggists, for Scotland, Irish Free State and London; also representatives with Hospital connections throughout the United Kingdom; commission 10 per cent. to 20 per cent. to 21 per week expenses after a trial; excellent opportunity for right man. 139/835, Office of this Paper.

A N opening in established London Company is offered to a young man with personality to train as Assistant Sales Manager; preminm required, £250, returnable as salary with bonus on sales in one year; knowledge of Chemists' Goods and Typewriting an advantage; progressive and permanent position assured. Write fully, 64/33, Office of this Paper.

EXPERIENCED Capsule Maker required for Manchester district; must be thoroughly competent, able to take complete charge, and willing to do other work when required; permanency for the right man; applications must contain details of past experience, wages, and references. Reply, in strictest confidence, to "Manchester," 138/828, Office of this Paper.

INVOICE Clerk (male) required in the Home Department of London Wholesale House; similar experience and a thorough knowledge of the trade essential. State full particulars and salary expected to 138/824, Office of this Paper.

ABORATORY Manager required (qualified), able to mannfacture all Galenicals; good organiser and disciplinarian essential. State experience, age and salary expected. P.C.B. 73/23, Office of this Paper.

LADY (young) required by Wholesale Firm of Manufacturing Chomists in London for determining spirit strengths of alcoholic preparations according to the official method for bonding purposes; permanent position. Write, stating age, qualifications and wages expected, to 138/823, Office of this Paper.

OLDFIELD, PATTINSON & CO., New Bridge Street, Manchester, require Pharmacist to take charge of the Laboratory; must understand the manufacture of all Galenicals and be a good organisor and disciplinarian. Apply by letter, giving full particulars of experience, and state salary required.

REPRESENTATIVE (two), 1, Midlands, 2, Sonth Coast, for high-class Toilet House; commission basis, 10%; another non-competitive line not objected to. Reply (in confidence), stating full particulars, to 58/16, Office of this Paper.

TABLETS-COMPRESSED. — Wanted, first-class man for making and coating; must have good experience and references. Send full particulars of same, how long, and whom with, and salary expected to 60/20, Office of this Paper.

TRAVELLER required by old-established Toilet Soap and Perfumery House for London; must have strong personal connection with Chemists, Grocers and Stores; salary and commission. Apply, giving full details of exact ground covered, lines carried, salary required, to P.C.B. 73/24, Office of this Paper.

WALES AND WEST COUNTRY.—Thoroughly experienced Confectionery and Mineral Water Essence Traveller, with real live connection, energy and tact, required by old-established Essence Distillers for the New Year; must own car; good salary, expenses and commission paid to the right man; a lifelong job at suitable; do not waste time, paper or stamp unless possessed of above qualifications in every respect. Apply Box L. 31, Gordon House, Farringdon Street, E.C.4.

WANTED, Representative or Agent having established connection for the sale of Magnesia Products. Apply, stating terms and experience, to 44/35, Office of this Paper.

(COLONIAL, INDIAN AND FOREIGN).

A DEN. — Young qualified Chemist required for Retail Pharmacy; Dispensing and Photographic experience necessary; 3 years' agreement; passage paid out and home. Reply. 5 A. N.," Allen & Hanburys, Ltd., Bethnal Green, London, E.2.

SITUATIONS WANTED.

RETAIL. [HOME.]

28, for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The ADVERTISER may if preferred have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

A.A.—ADVERTISER, competent, abstainer, middleaged, active, good Salesman, desires position where ability and employer's interests studied would meet appreclation; disengaged; reasonable remuneration accepted; offers invited; London; excellent references. "Active," BM/ZP6N, W.C.1.

A.—LOCUM; qualified; long experience in all branches; active; excellent references; terms moderate; disengaged now. "S. C. I.," 54 Priory Road, West Hampstead, N.W.6. 'Phone: Hampstead' 7151.

A YOUNG qualified man seeks permanent position in good-class Pharmacy in Southern England; living accommodation an asset, not essential; 8½ years' experience; now managing; trustworthy, reliable, energetic; free in one month from engagement; interview preferred. 63/15, Office of this Paper.

A LL-ROUND, unqualified, experienced Assistant; 23; West-End experience; first-class Salesman; good Dispenser; conscientious worker. Alford, 25 Dunsmure Road, N.16.

A SSISTANT or Locum; 20 years' Dispensing and Counter experience; long reference; abstainer; unqualified. Fall, 105 Tottenham Lane, Hornsey, N.8.

A SSISTANT or Manager; qualified; tall; 31; at liberty; good references; reasonable terms. F. R. Smith, 34 Welbeck Avenue, Southampton.

A SSISTANT; temporary or permanent; long experience; good references; abstainer. Wall, 58 Allen Road, N.16.

A SSISTANT; 23; taking Part II Examination in April; height 5 ft. 8 in.; nearly 5 years' experience, Dispensing, Counter, Photography; good references; Midlands preferred, Mr. Smith, 17 Whitehall Street, Shrewsbury.

A SSISTANT, 23, unqualified, 6 years' good all-round experience, desires post with Chemist or Doctor; now disengaged. F. H. Harding, "Devonia," Haywards Road, Cheltenham, Glos.

A SSISTANT, qualified lady, requires position; accustomed to taking charge; accurate Dispenser. 64/9, Office of this Paper.

BRANCH Manager; qualified; 16 years' record, satisfaction, supported present employer; disengaged when suited; any locality. "A. E. J.," 33 Chingford Mount Road, E.4.

CHEMIST-OPTICIAN, M.P.S., J.C.Q.O., 25, experienced in all branches, required position as Manager or Senior. "H. B.," 63 Clinton Road. Bow.

CHEMIST-OPTICIAN desires position as Manager; exceptional ability and experience all branches, including Photography; first-class references. Address "Optician," 34 Woodstock Road, Turnham Green, W.4.

COMPETENT, qualified Manager; experienced all branches of Retail; excellent references; London preferred; disengaged. "Salol," 159 Church Street, Kensington, W.8.

DISENGAGED; unqualified; 46; temporary, permanent; Dispensing, Stock; any position; successful Manager. "Chemist," 91 Duncombe Road, Holloway, N.19.

DISENGAGED December 28; qualified; all-round experience; Locum (or permanency London). "M.P.S.," c/o Mr. Pechey, Chemist, Maldon, Essex. Home address: 156 Lower Road, Clapton, E.5.

E^{LDERLY}, qualified Pharmacist seeks situation early date next year; abstainer; excellent references; permanency desired. Write 51/37, Office of this Paper.

EXPERIENCED Assistant, unqualified, 37, disengaged, desires permanency or relief; abstainer; manage. Walters, 364 Dickenson Road, Longsight, Manchester.

EXPERIENCED Assistant; tall; unqualified; can take charge; Essex or East London preferred. D'eath, 506 Green Lane, Goodmayes, Essex.

EXPERIENCED Pharmacist, 27, available Locum or permanent; London and provincial experience. Robinson, 62 Camp Road, Leeds. Telephone 25273.

 $E^{\text{XPERIENCED Manager, qualified, 36, married, abstainer, desires London post; reliable and capable Salesman. "D," 21 Whittingstall Road, Fulham.$

EXPERIENCED Assistant, Dispensing, Photographic, Counter, Window, unqualified, seeks permanency; interview preferred. H. Dixon, 25 Hitchman Road, Leamington Spa.

J.C. Q.O., M.P.S., 28, desires change with scope; six staff control, windows, salesman; highest credentials; own Ol-tical equipment; management, with accommodation. Particulars and offers to 63/4, Office of this Paper.

JESSE WILLIAMS, Chemist, 17 Headfield Road, Savile Town, Dewsbury; disengaged; Manager or Locum; references, R.P.U., etc.

JUNIOR Assistant, excellent Dispensing and Counter experience, desires post; Somerset preferred, but not essential. Minifie, 18 Moorland Road, Weston-super-Mare.

JUNIOR; 19; good experience; Counter, Dispensing, Photography; disengaged December 29. Daniel, 54 Loveday Road, Ealing, W.13.

JUNIOR (20); tall; experienced; Dispensing, Counter and Photographic; Liverpool or S.W. Lancs. preferred. J. Greer, 67 Greenfield Road, St. Helens.

LADY Dispenser-Book-keeper (Hall qualification) requires post with Doctor or firm of Doctors, Chemist or Hospital in London or subnrbs. 38/21, Office of this Paper.

LADY Dispenser-Book-keeper (Hall qualification), experienced, requires post with Doctor. Bradbeer, 7 Westbourne Park Road, W.2.

LADY Dispenser, qualified, experienced, requires post with Doctor or Hospital, New Year. 55/36, Office of this Paper.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith, and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensues. Strict attention to this detail will be appreciated.

ADY (Hall), thoroughly experienced, Dispensing, Counter, Book-keeping, approved Window and Connter Dressing, equires post with good-class Chemist. 60/18, Office of this aper.

ADY Assistant; 24; unqualified; well experienced, Dispensing and Counter; London preferred; arrange interview. 10 nverness Terrace, Broadstairs.

ADY Assistant; ten years' (London) experience; 27; Drugs, Toilet, Photography; disengaged; London preferred. D. M.," 33 Chingford Mount Road, E.4.

ADY Dispenser-Secretary (Hall); 14 years' good testimonials; minor dressings; Doctor or Institution. "P.," 4 Percy load, Broadstairs.

OCUM; reliable; reasonable; City, West End and Hospital experience; in or outdoor; disengaged; best references. Lichen," 403 Essex Road, Islington, N.

OCUM; disengaged; 20 years' experience; thoroughly competent; highest references; reasonable terms. "Chemicus," 6 Rudloe Road, Clapham Park, S.W.12.

MANAGER, qualified pre-war, highest credentials, free, desires post, Midlands or near London. "Statim," 154 South Road, Erdington, Birmingham.

MANAGER, M.P.S., Scot, 34, desires progressive position; excellent experience; first-class references; disengaged; can start at once. 63/5, Office of this Paper.

M.P.S., Manager, married, 32, desires position (New Year), with view to interest in good-class established business; 18 years' provincial Retail experience; Dispensing, Counter, Window-dressing; Midlands preferred. 62/19, Office of this Paper.

M.P.S., 24, desires situation; good-class Dispensing, Photographic and Counter experience; excellent reference; disengaged. 63/17, Office of this Paper.

PART TIME post required by Student now at College; evenings and/or week-end; excellent experience. "L. C. P.," 62/14, office of this Paper.

PART-TIME or full-time work (temporary) wanted; Minor Student; 10 years' all-round experience (5 in London). 63/28, Office of this Paper.

QUALIFIED Assistant, 22, disengaged shortly, experienced in good-class and N.H.I. Dispensing and Counter, desires engagement as permanency in Rirmingham. 57/37, Office of this Paper.

QUALIFIED, young, desires post; good all-round experience; Sussex coast preferred. Watson, 20 Dorset Gardens,

QUALIFIED Pharmacist; elderly; active; highest testimonials; moderate salary; disengaged. "M.P.S.," Tamar Honse, Beaulieu Road, Christchurch.

QUALIFIED; 23; tall; disengaged; all-round experience. Ourham.

QUALIFIED; 35; seven years own account; progressive salary, commencing £3 10s. Nicholls, 112 Argyle Street South, Birkenhead.

QUALIFIED; Manager or Locum; single; first-class London and provincial experience; successful manager; references to date; interview or photo. B. Kilvert, 37 Parliament Street, Gloucester.

QUALIFIED, 23, good Photographic knowledge, quick, accurate Dispenser, desires post, Assistant or Manager. Write BM/XVLN, London, W.C.1.

QUALIFIED, male, young, tall, Square trained, desires post; Manchester, Liverpool, Birmingham preferred; disengaged. 62/27, Office of this Paper. QUALIFIED lady, young, desires position in London; good allround Dispensing and Counter experience. 63/6, Office of this Paper.

QUALIFIED, 32, single, desires post as Manager or Senior; abstainer; thoroughly experienced; excellent references; West of England preferred. 62/32, Office of this Paper.

QUALIFIED, elderly, active, healthy, much business experience, good Dispenser and Prescriber, desires full or partitime position. 63/2, Office of this Paper.

QUALIFIED; 46; single; good all-round experience; excellent references; now disengaged. 62/39, Office of this Paper.

QUALIFIED man, 21, smart, 5 ft. 8 in., accurate Dispenser, wishes experience in good Agricultural business; disengaged January 1. Details and references apply 63/33, Office of this Paper.

S TOCKTAKER, 32, 8 years' experience, requires post; excellent references, disengaged. 62/23, Office of this Paper.

WANTED, situation as Junior; aged 21 years; disengaged December 15; Manchester or suburb; good experience in Dispnsing, Retail and general routine. H. Copple, 14 Vega Street, Broughton, Manchester.

WHOLE or part time; South-East suburban; Dispensing, Counter and Stock; good references. Crowther, 16 The Avenue, Bickley.

MAS Locum or permanency; qualified; experience; good Dispensor and Salesman; highest references; used to complete charge; anywhere; at liberty. "Statim," 126 Alderney Street, Victoria, S.W.1.

YOUNG lady (Hall) seeks post with Doctor or Institution; good references. Apply Tilsley, Llawryglyn, Caersws, Montgomeryshire.

YOUNG lady, tall, unqualified, requires post after Christmas with Chemist or Doctor; 3 years' experience, Dispensing and Counter; highest references. 62/17, Office of this Paper.

WHOLESALE.

A REPRESENTATIVE, with first-class connection Chemists, Hairdressers in Wales, West England and Midlande, is open to represent good-class house; sole representation or side line. P.C.B. 73/27, Office of this Paper.

A DVERTISER, Pharmacist who has represented a well-known house for a number of years, seeks a change; thoroughly conversant with medical propaganda and pharmaceutical sales; own car. "Pharmacist," c/o Mr. D. C. Roberts, "Anclda," Rhos Road, Rhos-on-Sea.

A DVERTISER, good connection home and export, desires representation for London on behalf of a first-class Perfumery House, to commence early in the New Year; would suggest contribution towards expenses and a fair commission. Farther particulars at interview. Reply 138/804, Office of this Paper.

A DVERTISER, excellent connection Chemists and Hairdressers, Southern Counties, open for good Agency or Proprietary; own car. 63/38, Office of this Paper.

A DVERTISER desires position, Wholesale, Drugs, Sundries, Proprietary, etc., as Representative or inside; 15 years on the road; London and Continental Retail; small salary, commission, expenses. BM/DCH3, W.C.1.

A N opportunity for further progress is desired by keen, euergetic and adaptable young Chemist; 10 years' experience, embodying General Analysis and Research, and Manufacture of Medicinal and Toilet Proprietaries; good knowledge of the business side and accustomed to sole control; would prove an asset to a recently established firm; London district preferred. 63, 29, Office of this Paper.

PHARMACIST, young, married, desires change; having conducted own retail business, successfully invites offers from Wholesale Houses of repute for representation in Manchester area; own car; only first-class houses considered. 138/832, Office of this Paper.

REPRESENTATIVE, with ten years' connection with London of and suburban Chemists; good references. 139/844, Office of this Paper.

PEPRESENTATIVE of leading Proprietary House, with excellent connection Retail Chemists, Southern Counties, seeks change; own car. 63/380, Office of this Paper,

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SURGICAL Manufacturers' Manager, maker of all kinds of Surgical Cotton Specialities, Absorbent Cottons and Wadding, desires change; to firm of good standing who can offer sound position advertiser is prepared to introduce new method of producing absorbent cotton (own process) 20% cheaper than any known process; no agents. 49/27, Office of this Paper.

(COLONIAL, INDIAN AND FOREIGN.)

QUALIFIED, age 29, five years in the East, good references, desires position as Manager or Assistant abroad. Reply to 36/32, Office of this Paper.

FOR SALE.

A RECIPE for the preparation of a jam to regulate intestinal activity is for Sale; the article has been approved by medical practitioners and offers possibilities of vast sales. J. Strittmatter, Pilatus Drogerie, Pilatusstrasse 34, Lucern.

FOR disposal, small complete Stock of Drug Store, also few Fittings, Scales, etc.; excellent chance for beginner; list forwarded on application. What offers? 49/26, Office of this Paper.

MISCELLANEOUS.

CHEMIST FITTINGS.—Complete Fittings in stock. Ranges of Drug Drawers with glass labels, shelving and lockers, glass-fronted Counters, Dispensing Screens, Wall Cases, etc.; all made in sections which any local man can fix. Also Second-hand Fittings, Shop Rounds (ribbon and recess labels); Cash Tills from 155. 6d. Kwik-Sale Case, special Chemist design. D. MATTHEWS & SON, Chemist Fitters, 14 and 16 Manchester Street, Liverpool.

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CHEMISTS' Shopfittings and Showcases of every description.

Before you decide send your requirements to GEORGE
COOK, the well-known Chemists' Fitter, 40 years' experience,
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POR Sale, Sieves with reciprocating action, also Elevators and Conveyor Worming, also Reel and Centrifugal Dressing Machine. Write 139/837, Office of this Paper.

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3rd December 1928.

Gentlemen,

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Correspondence invited (to above address) from High-Class firms only.

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FOR A COMPLETE SET of Pharmacy Fittings, ready for immediate use, 10 ft. mahogany Drug Fitting with showcase, drawers, cupboards, shelving, ctc.; 6 ft. Wan Case in two heights; 6 ft. Dispensing Screen with showcases and bevelled mirror in centre; 10 ft. mahogany Serving Counter with cases in front; two nests of Counter Drawers; plate-glass Counter Case, Perfume Showcase and Desk, Check Till. PERCY R. E. JOSEPHS, 68 Old Street, 1/5 Tilney Court, London, E.C.1. Phone: Clerkenwell 0929.

£170. -UNIQUE SET OF PHARMACY FITTINGS in solid Fumed Oak, comprising 2 x 10 ft. Display and Stock Fittings. all with sliding doors; 2 x 5 ft. Pharmacy Fittings with drug drawers, etc.; these are all sectionalised; 4 x 4 ft. Wall Showcases with sliding doors; 2 fnll-sized Plate-glass Mirrors; Glass Front Serving Counter with drawers, etc., at back; exceptionally haudsome Dispensing Screen; Check Till. Really the finest looking set on the market, and ready for delivery and erection this day. Call and view. Can be adapted to any size shop. PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, London, E.C.

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OPTICAL TRIAL CASE for Sale. Stamp for particulars, 138/831, Office of this Paper.

WANTED.

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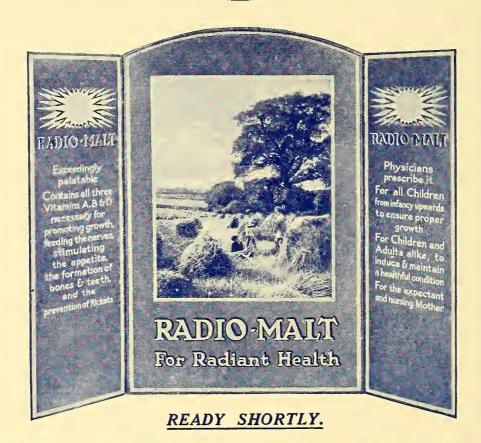
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